MAY 11 2009

BRIAN M. BABB

DIRECT DIAL: (513) 579-6963 FACSIMILE: (513) 579-6457 E-MAIL: BBABB@KMKLAW.COM

May 7, 2009

Via UPS

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611 Re: DOJ No. 90-11-2-06089

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Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mail Code 2241A 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20460 Via E-Mail

Mr. Kevin L. Vuilleumier, Environmental Engineer Air Enforcement and Compliance Assurance Branch U.S. Environmental Protection Agency Region 5-AE-17J 77 West Jackson Boulevard Chicago, IL 60604-3507

Via E-Mail

Mr. Cary Secrest
U.S. Environmental Protection Agency
Ariel Rose Building, Room 2119
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

Via E-Mail

Mary T. McAuliffe Associate Regional Counsel United States Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, IL 60604-3590

RE: United States v. Buckeye Egg Farm, L.P., et al. - Civil Action 3:03 CV 7681

Dear Sir/Madam:

This letter is provided on behalf of Ohio Fresh Eggs, LLC to provide a written update to a notice of a force majeure event that was made to the United States Environmental Protection Agency on March 30, 2009 under the Consent Decree in the above-referenced matter.

Previously, Ohio Fresh Eggs reported a recurring malfunction or failure of various power supply units associated with the Electrostatic Particulate Ionization (EPI) Systems at Ohio Fresh Eggs' Croton, Marseilles and Mt. Victory, Ohio facilities. The EPI System is an innovative

particulate emissions' control that has and is being installed and operated in each layer barn at Ohio Fresh Eggs' facilities to satisfy particulate emission control requirements set forth under the Consent Decree. The power supply units of the EPI Systems have malfunctioned or failed in a number of layer barns where they have been installed and operated. Each layer barn with an EPI System has 4 power supply units that operate independent of each other. The failure of the power supply units lack a clear pattern, and anywhere from none to all four units in each barn have shown signs of failure or malfunction. A total of 152 Acopian power supply units were installed at Ohio Fresh Eggs' facilities before a switch was made to a different manufacturer of the power supply units, and 89 Acopian units were identified as malfunctioning. Sixteen Acopian power supply units had previously been removed and shipped to the manufacturer for repair and retrofit, which repair and retrofit have been completed and the units are being shipped back for re-installation.

Ohio Fresh Eggs' contractor, Baumgartner Environics, Inc., has made arrangements with the manufacturer of the power supply units, Acopian Technical Company, to repair and retrofit all remaining malfunctioning units and to retrofit all Acopian power units that have not yet malfunctioned to avoid future disruptions in the operation of the EPI Systems. On April 29, 2009, all remaining Acopian power units were shipped to the manufacturer for repair and retrofit. Ohio Fresh Eggs is coordinating with its contractor, Baumgartner Environics, who is working with the manufacturer, to rectify this problem in order to promptly resume continuous operation of the EPI Systems in all of its layer barns where they have been installed.

Please let me know if you have any questions or need more information.

Very truly yours,

KEATING MUETHING & KLEKAMP P.L.L.

Brian M. Babb

cc: Mr. John Glessner, OFE

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Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 1st Quarter 2009 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005

- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities. (vi) Malfunction of power supply units in ESCS in layer barns prompted a force majeure notification to U.S. EPA and the filing of a warranty demand with ESCS contractor on March 30, 2009. OFE's contractor has agreed to proceed with the repair and replacement of the defective or malfunctioning power supply unit in the ESCS system in the layer barns.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1st quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 1st Quarter 2009

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)	,		Installation	Implementation
1	10/25/03	1101101110)	163230	W36	4/08	N/A
3	6/19/04		164245	W36	**12/08	N/A
5	10/30/04		164673	W36	** 2/09	N/A
7	10/30/04					N/A
9	3/27/04					N/A
11	5/22/04					N/A
13	11/6/04					N/A
13A			87668	W36	5/08	N/A
2	1/10/04		148392	W36	1/07	N/A
4	9/2000		146334	W36	1/07	N/A
6	9/2000		137895	W36	** 1/07	N/A
8	9/2000		143757	W36	** 1/07	N/A
10	9/2000		146251	W36	** 4/07	N/A
12	9/2000		142791	W36	** 6/07	N/A
14	9/2000		142596	W36	** 7/07	N/A
14B			84958	W36	** 8/07	N/A

### Layer Site 2 – Croton 1st Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W36	(ESCS) Installation	Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05	<u> </u>	0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> FSCS power supply being modified

### Layer Site 3 – Croton 1st Quarter 2009

## Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B	For Remodeled B/B (Control Actions)		:	Installation	Implementation
	(Control Actions)	(001110111011101110111101111011110111101111				
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0 .			N/A
42B	10/1/05		0			N/A

### Layer Site 4 – Croton 1st Quarter 2009

### Consent Decree 3:03 CV 7681 Update

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W36	(ESCS) Installation	Control BMPs Implementation
43	9/2000	8/11/01				N/A
45	9/2000	8/18/01				N/A
47	9/2000	8/25/01			** 10/08	N/A
49	9/2000	9/8/01				N/A
51	9/2000	9/15/01			** 11/08	N/A
53	9/2000	16/6/01			** 1/09	N/A
55	2/4/06					N/A
55A			82634	W36	3/08	N/A
44	9/2000	12/3/05	150803	W36	** 9/07	N/A
46	1/10/04	12/17/05	150458	W36	** 9/07	N/A
48	2/14/04	12/17/05	151594	W36	** 9/07	N/A
50	8/4/04	1/12/06	146052	W36	**10/07	N/A
52	2/22/04	4/06	150648	W36	11/07	N/A
54	9/2000	5/06	157267	W36	**12/07	N/A
56	9/2000	5/06	159035	W36	1/08	N/A
56B	<i>y</i> . <b>2</b> 000		86796	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

### Layer Site 5 – Mt. Victory 1st Quarter 2009

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	142479	W36	7/08	10/08
2	142451	W36	**8/08	10/08
3	142816	W36	8/08	10/08
4	143623	W36	**9/08	10/08
5	144015	W36	**9/08	10/08
6	143773	W36	10/08	10/08
7	143253	W36	** 1/09	10/08
9			11/08	10/08
10	147076	W36	1/09	10/08
11	144623	W36	12/08	10/08
12	143314	W36	1/09	10/08
13	139758	W36	1/09	10/08
-14	138107	W36	1/09	10/08
15	131811	W36	2/09	10/08

### Layer Site 6 – Marseilles 1st Quarter 2009 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed	PM Control	Ammonia
Duin	Topulation	W98/W36	(ESCS Installation)	Control BMPs
				Implementation
1	141815	W36	** 4/07	10/08
			4/07	
2	140034	W36	** 6/07	10/08
3	139633	W36	** 7/07	10/08
4	147181	W36	** 8/07	10/08
. 5	139539	W36	** 9/07	10/08
6	144028	W36	10/07	10/08
7	141907	W36	11/07	10/08
8	144371	W36	12/08	10/08
9	141422	W36	** 1/08	10/08
10	147693	W36	** 2/08	10/08
11	147894	W36	** 3/08	10/08
12	145178	W36	** 4/08	10/08
13	144166	W36	** 5/08	10/08
14	144782	W36	** 6/08	10/08
15	117786	W36	** 6/08	10/08
16	141980	W36	** 7/08	10/08

 $<sup>^{\</sup>ast}$  (j) and (k) modified to reflect ESCS installation and BMP implementation  $^{\ast\ast}$  ESCS power supply being modified

BRIAN M. BABB

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APR 01 2009

et M

March 30, 2009

Via UPS

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611 Re: DOJ No. 90-11-2-06089

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Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mail Code 2241A 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20460 Via E-Mail

Mr. Kevin L. Vuilleumier, Environmental Engineer
Air Enforcement and Compliance Assurance Branch
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#### Via E-Mail

Mr. Cary Secrest
U.S. Environmental Protection Agency
Ariel Rose Building, Room 2119
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

### <u>Via E-Mail</u>

Mr. Myron Eng Office of Regulatory Enforcement U.S. Environmental Protection Agency Ariel Rose Building, Room 2119 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20004

#### Via E-Mail

Mary T. McAuliffe Associate Regional Counsel United States Environmental Protection Agency, Region 5 77 West Jackson Boulevard Chicago, IL 60604-3590 March 30, 2009 Page 2

RE: United States v. Buckeye Egg Farm, L.P., et al. - Civil Action 3:03 CV 7681

Dear Sir/Madam:

This letter is provided on behalf of Ohio Fresh Eggs, LLC to provide written notice of a force majeure event that has affected or may affect Ohio Fresh Eggs' ability to fully comply with the Consent Decree in the above-referenced matter. This notice is being provided under Sections XIII (Force Majeure) and XVIII (Notice) of the Consent Decree.

The force majeure event was and is a recurring malfunction or failure of various power supply units associated with the Electrostatic Particulate Ionization (EPI) Systems at Ohio Fresh Eggs' Croton, Marseilles and Mt. Victory, Ohio facilities. The EPI System is a particulate emissions' control that has and is being installed and operated in each layer barn at Ohio Fresh Eggs' facilities to satisfy particulate emission control requirements set forth under the Consent Decree. The power supply units of the EPI Systems have suffered from recurring malfunctions or failures in a number of layer barns where they have been installed and operated. These power supply unit problems were first viewed as ordinary repair and maintenance concerns, but the increase in the number of power supply units affected by malfunctions and failures indicate that there is a product design or operational defect. Ohio Fresh Eggs' contractor, Baumgartner Environics, Inc., has undertaken repairs and replacement of various power supply units in the EPI Systems at Ohio Fresh Eggs' facilities, and other units are scheduled for repair and replacement.

The basis for the malfunction and failure of the Acopian power supply units appear to be related to an internal high voltage module component, but the reasons for the malfunctions or failures have not yet been ascertained by Baumgartner Environics, Inc. or the manufacturer, Acopian Technical Company. Baumgartner Environics, Inc. is working with Acopian to address these problems. The power supply units are unique since they provide high voltage, low amperage power. These power units increase the voltage from 110 volts to 30,000 volts. Our contractor has had difficulty identifying other manufacturers of these types of power supply units. The installation of the EPI Systems at Ohio Fresh Eggs' facilities since September 2008 have involved the use of power supply units from a different manufacturer (LHV Power Corporation), which units have not evidenced any malfunctions or failures.

The power supply units of the EPI Systems are subject to a non-prorated, 5 year warranty, and warranty claims are in the process of being made by Ohio Fresh Eggs against Baumgartner Environics, Inc. and the manufacturer. Ohio Fresh Eggs has demanded that Baumgartner Environics, Inc. replace all malfunctioning Acopian power supply units with new units, and to review whether there is a need to replace all remaining Acopian power supply units that have not yet malfunctioned or failed as a precautionary measure. Ohio Fresh Eggs believes the EPI Systems are effective in reducing particulate emissions, but problems with the Acopian power supply units have affected the reliability of the operation of the EPI Systems in a number

March 30, 2009 Page 3

of layer barns. Ohio Fresh Eggs is committed to working with Baumgartner Environics, Inc., and its supplier, to promptly rectify these problems and to ensure the EPI Systems operate reliably. The timetable by which Ohio Fresh Eggs' contractor will identify and is able to correct the source of the failures or malfunctions in the Acopian power supply units is not yet known. Again, Ohio Fresh Eggs intends to require Baumgartner Environics, Inc. to promptly address this problem in order to resume continuous operation of the EPI Systems in all of its layer barns where they have been installed.

Please let me know if you have any questions or need more information.

Very truly yours,

KEATING MUETHING & KLEKAMP P.L.L.

y:\_\_\_\_<u>|</u>

Brian M. Babb

cc:

Mr. John Glessner, OFE

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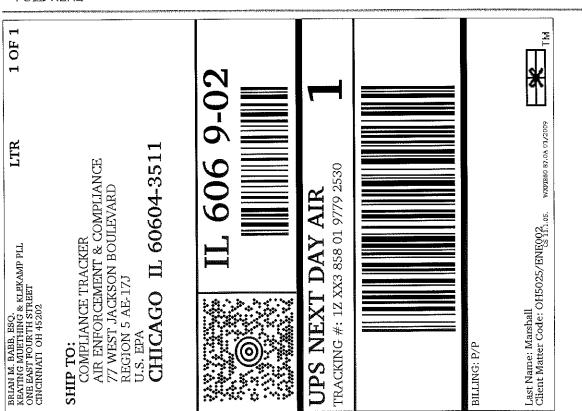
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Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 4<sup>th</sup> Quarter 2008 Report

### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32. Future quarterly reports will be timely submitted and will contain updated information about the schedule of the ESCS installation.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as

- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
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- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report, (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 4th Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B	For Remodeled B/B			Installation	Implementation
	(Control Actions)	(Control Actions)				
1	10/25/03		163230	W36	4/08	N/A
3	6/19/04		164245	W36	**12/08	N/A
5	10/30/04		164673	W36	** 2/09	N/A
7	10/30/04					N/A
9	3/27/04					N/A
11	5/22/04					N/A
13	11/6/04					N/A
13A			87668	W36	5/08	N/A
2	1/10/04		148392	W36	1/07	N/A
4	9/2000		146334	W36	1/07	N/A
6	9/2000		137895	W36	1/07	N/A
8	9/2000		143757	W36	1/07	N/A
10	9/2000		146251	W36	4/07	N/A
12	9/2000		142791	W36	6/07	N/A
14	9/2000		142596	W36	7/07	N/A
14B			84958	W36	8/07	N/A

### Layer Site 2 – Croton 4th Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to	Reopening Date For Remodeled	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs
	B/B (Control Actions)	B/B (Control Actions)				Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

### Layer Site 3 – Croton 4th Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

### Layer Site 4 – Croton 4th Quarter 2008

### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01				N/A
45	9/2000	8/18/01				N/A
47	9/2000	8/25/01			** 10/08	N/A
49	9/2000	9/8/01				N/A
51	9/2000	9/15/01			** 11/08	N/A
53	9/2000	16/6/01			** 1/09	N/A
55	2/4/06					N/A
55A			82634	W36	3/08	N/A
44	9/2000	12/3/05	150803	W36	9/07	N/A
46	1/10/04	12/17/05	150458	W36	9/07	N/A
48	2/14/04	12/17/05	151594	W36	9/07	N/A
50	8/4/04	1/12/06	146052	W36	10/07	N/A
52	2/22/04	4/06	150648	W36	11/07	N/A
54	9/2000	5/06	157267	W36	12/07	N/A
56	9/2000	5/06	159035	W36	1/08	N/A
56B			86796	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

### Layer Site 5 – Mt. Victory 4th Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs
				Implementation
1	142479	W36	7/08	10/08
2	142451	W36	8/08	10/08
3	142816	W36	8/08	10/08
4	143623	W36	9/08	10/08
5	144015	W36	9/08	10/08
6	143773	W36	10/08	10/08
7	143253	W36	1/09	10/08
9			11/08	10/08
10	147076	W36	1/09	10/08
11	144623	W36	12/08	10/08
12	143314	W36	1/09	10/08
13	139758	W36	1/09	10/08
14	138107	W36	1/09	10/08
15	131811	W36	2/09	10/08

### Layer Site 6 – Marseilles 4th Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	141815	W36	4/07	10/08
2	140034	W36	6/07	10/08
3	139633	W36	7/07	10/08
4	147181	W36	8/07	10/08
5	139539	W36	9/07	10/08
6	144028	W36	10/07	10/08
7	141907	W36	11/07	10/08
8	144371	W36	12/08	10/08
9	141422	W36	1/08	10/08
10	147693	W36	2/08	10/08
11	147894	W36	3/08	10/08
12	145178	W36	4/08	10/08
13	144166	W36	5/08	10/08
14	144782	W36	6/08	10/08
15	117786	W36	6/08	10/08
16	141980	W36	7/08	10/08

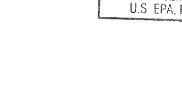
<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460





RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 3<sup>rd</sup> Quarter 2008 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32. Future quarterly reports will be timely submitted and will contain updated information about the schedule of the ESCS installation.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005

- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operation data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses were ongoing for the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1st quarter of 2006. Ag-Detox applications and analyses have been conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduce chlorine in feed ration; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrates ammonia emissions reduction greater than 50 percent. BMPs being implemented in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

# Layer Site 1 – Croton 3rd Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	10/25/03	Actions)			4/08	N/A
3	6/19/04				Projected 12/08	N/A
5	10/30/04				Projected 2/09	N/A
7	10/30/04					N/A
9	3/27/04					N/A
11	5/22/04					N/A
13	11/6/04					N/A
13A			88555	W36	5/08	N/A
2	1/10/04		150998	W36	1/07	N/A
4	9/2000		138406	W36	1/07	N/A
6	9/2000		144112	W36	1/07	N/A
8	9/2000		148445	W36	1/07	N/A
10	9/2000		149062	W36	4/07	N/A
12	9/2000		145310	W36	6/07	N/A
14	9/2000		144954	W36	7/07	N/A
14B			22528	W36	8/07	N/A

# Layer Site 2 – Croton 3rd Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

### Layer Site 3 – Croton 3rd Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\*(Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopenin	Populat	Breed	PM Control	Ammonia Control
	Date	g Date	ion	W98/W36	(ESCS)	BMPs
	To convert to	For Remodeled			Installation	Implementation
	B/B	B/B				-
	(Control	(Control				
	Actions)	Actions)				
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0		MILLAND A. A.	N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0 .			N/A
42B	10/1/05		0			N/A

### Layer Site 4 – Croton 3rd Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Closure	Reopening	Populat	Breed	PM Control	Ammonia
	Date	Date	ion	W98/W36	(ESCS)	Control BMPs
	To convert to	For Remodeled			Installation	Implementation
	B/B	B/B				Implementation
	(Control	(Control		ĺ		
	Actions)	Actions)		ļ <u>_</u>		
43	9/2000	8/11/01				N/A
45	9/2000	8/18/01				N/A
47	9/2000	8/25/01			Projected 10/08	N/A
49	9/2000	9/8/01				N/A
51	9/2000	9/15/01			Projected 11/08	N/A
53	9/2000	16/6/01		i i	Projected 1/09	N/A
55	2/4/06					N/A
55A			82634	W36	3/08	N/A
44	9/2000	12/3/05	150803	W36	9/07	N/A
46	1/10/04	12/17/05	150458	W36	9/07	N/A
48	2/14/04	12/17/05	151594	W36	9/07	N/A
50	8/4/04	1/12/06	146052	W36	10/07	N/A
52	2/22/04	4/06	150648	W36	11/07	N/A
54	9/2000	5/06	157267	W36	12/07	N/A
56	9/2000	5/06	159035	W36	1/08	N/A
56B			86796	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation \*\*ESCS power supply being modified

# Layer Site 5 – Mt. Victory 3rd Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	143777	W36	7/08	Projected 6/08-10/08
2	143717	W36	8/08	Projected 6/08-10/08
3	136593	W36	8/08	Projected 6/08-10/08
4	137979	W36	9/08	Projected 6/08-10-08
5	130911	W36	9/08	Projected 6/08-10-08
6	137166	W36	Projected 10/08	Projected 6/08-10/08
7	145102	W36	Projected 1/09	Projected 6/08-10/08
9	141247	W36	Projected 11/08	Projected 6/08-10/08
10	148658	W36	Projected 1/09	Projected 6/08-10/08
11	146752	W36	Projected 12/08	Projected 6/08-10/08
12	129556	W36	Projected 1/09	Projected 6/08-10/08
13	142750	W36	Projected 1/09	Projected 6/08-10/08
14	142460	W36	Projected 1/09	Projected 6/08-10/08
15	133001	W36	Projected 2/09	Projected 6/08-10/08

### Layer Site 6 – Marseilles 3rd Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs
	111051			<b>Implementation</b>
1	144864	W36	4/07	Projected 6/08-10/08
2	142131	W36	6/07	Projected 6/08-10/08
3	143222	W36	7/07	Projected 6/08-10/08
4	149174	W36	8/07	Projected 6/08-10/08
5	141956	W36	9/07	Projected 6/08-10/08
6	145878	W36	10/07	Projected 6/08-10/08
7	144089	W36	11/07	Projected 6/08-10/08
8	147002	W36	Projected 12/08	Projected 6/08-10/08
9	143362	W36	1/08	Projected 6/08-10/08
10	149600	W36	2/08	Projected 6/08-10/08
11	149196	W36	3/08	Projected 6/08-10/08
12	147205	W36	4/08	Projected 6/08-10/08
13	146197	W36	5/08	Projected 6/08-10/08
14	134717	W36	6/08	Projected 6/08-10/08
15	119934	W36	6/08	Projected 6/08-10/08
16	143879	W36	7/08	Projected 6/08-10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation



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AIR ENFORCEMENT BRANCI U.S. EPA, REGION 5

Compliance Tracker Air Enforcement and Compliance Assurance Branch U.S. Environmental protection Agency Region 5, AE-17J 77 West Jackson Boulevard Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 2<sup>nd</sup> Quarter 2008 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32. Future quarterly reports will be timely submitted and will contain information about the schedule of the ESCS installation.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current

- reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
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- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operation data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and have continued through the 1st quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed ration; compliance with UEP guidelines; and enhanced fiber diet. Addendum to EPA approval of Ammonia Emissions Control Plan issued on March 2, 2007. (v) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia emissions 50 percent or more. (vi) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced

fiber diet and with graduated reduction of BMPs. (vii) Testing of effectiveness of BMPs to reduce ammonia emissions completed and demonstrates ammonia emissions reduction greater than 50 percent.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 2nd Quarter 2008

## Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
1	(Control Actions) 10/25/03	(Collifor Actions)			4/08
1	6/19/04				Projected 12/08
3					Projected 2/09
5	10/30/04				
.7	10/30/04				
9	3/27/04				
11	5/22/04				
13	11/6/04				7/00
13A			88,965	W36	5/08
2	1/10/04		152,244	W36	1/07
$\frac{2}{4}$	9/2000		142,016	W36	1/07
6	9/2000		146,220	W36	1/07
$\frac{8}{8}$	9/2000		149,808	W36	1/07
$\frac{8}{10}$	9/2000		150,511	W36	4/07
12	9/2000		146,621	W36	6/07
14	9/2000		146,089	W36	7/07
$\frac{14}{14B}$	7/2000		85,795	W36	8/07

# Layer Site 2 – Croton 2nd Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
15	4/16/05		0		
17	6/18/05		0		
19	1/15/05		0		
21	9/18/04		0		
23	2/12/05		0		
25	3/12/05		0		
27	8/20/05		0		
27A	8/20/05		0		
16	8/20/05		0		
18	6/18/05		0		
20	8/20/05		0		
22	3/5/05		0		
24	8/20/05		0		
26	6/11/05		0		
28	8/20/05		0		
28B	8/20/05		0		

<sup>\* (</sup>j) modified to reflect ESCS installation

# Layer Site 3 – Croton 2nd Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\*(Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
29	9/3/05		0		
31	10/16/04		0		
33	9/3/05		0		
35	9/17/05		0		
37	9/24/05		0		
39	9/10/05		0		
41	11/20/04		0		
41A	10/1/05		0		
30	9/10/05		0		
32	10/1/05		0		
34	9/24/05		0		
36	12/4/05		0		
38	9/10/05		0		
40	10/9/04		0		
42	10/1/05		0		
42B	10/1/05		0		

# Layer Site 4 – Croton 2nd Quarter 2008 Consent Decree 3:03 CV 7681 Update \*(Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

PM Control **Closure Date Reopening Date Population** Barn **Breed** (ESCS) For Remodeled B/B W98/W36 To convert to B/B Installation (Control Actions) (Control Actions) 8/11/01 43 9/2000 45 9/2000 8/18/01 Projected 10/08 8/25/01 47 9/2000 9/8/01 49 9/2000 Projected 11/08 9/15/01 51 9/2000 Projected 1/09 53 16/6/01 9/2000 55 2/4/06 3/08 85,702 W36 55A 9/07 154,520 W36 9/2000 12/3/05 44 W36 9/07 46 1/10/04 12/17/05 60,772 9/07 12/17/05 142,864 W36 48 2/14/04 10/07 50 8/4/04 1/12/06 143,652 W36 11/07 W36 52 2/22/04 4/06 159,215 12/07 W36 162,027 54 9/2000 5/06 1/08 W36 56 9/2000 5/06 164,393 2/08 88,835 W36 56B

<sup>\* (</sup>j) modified to reflect ESCS installation

### Layer Site 5 – Mt. Victory 2nd Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS)
			Installation
1	162430	W36	Projected 7/08
2	147446	W36	Projected 8/08
3	139342	W36	Projected 8/08
4	140328	W36	Projected 9/08
5	132971	W36	Projected 9/08
6	138864	W36	Projected 10/08
7	146035	W36	Projected 1/09
9	142967	W36	Projected 11/08
10	149249	W36	Projected 1/09
11	147633	W36	Projected 12/08
12	132011	W36	Projected 1/09
13	143864	W36	Projected 1/09
14	143786	W36	Projected 1/09
15	134111	W36	Projected 2/09

### Layer Site 6 – Marseilles 2nd Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation
1	146385	W36	4/07
2	143224	W36	6/07
3	144451	W36	7/07
4	150472	W36	8/07
5	143269	W36	9/07
6	146815	W36	10/07
7	145080	W36	11/07
8	147961	W36	Projected 12/08
9	144199	W36	1/08
10	150427		2/08
11	150091	W36	3/08
12	148001	W36	4/08
13	147192	W36	5/08
14	137239	W36	6/08
15	120839	W36	6/08
16	144951	W36	Projected 7/08

<sup>\* (</sup>j) modified to reflect ESCS installation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 1<sup>st</sup> Quarter 2008 Report

### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current

- reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data is being submitted via Purdue University Dr. Heber's updates.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1st quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed ration; compliance with UEP guidelines; and enhanced fiber diet. Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (v) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia emissions 50 percent or more. (vi) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with

graduated reduction of BMPs. Testing of effectiveness of BMPs to reduce ammonia emissions completed.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 1st Quarter 2008

# Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS) Installation
	(Control Actions) 10/25/03	(Control Actions)			Projected 4/08
1 1					Projected 12/08
3	6/19/04				Projected 2/09
_ 5	10/30/04				
7	10/30/04			<del> </del>	
9	3/27/04				
11	5/22/04				
13	11/6/04				Projected 5/08
13A					1/07
2	1/10/04				
$-\frac{2}{4}$	9/2000		148324	W36	1/07
6	9/2000		149656	W36	1/07
8	9/2000		151752	W36	1/07
10	9/2000		152250	W36	4/07
$\frac{10}{12}$	9/2000		148061	W36	6/07
$\frac{12}{14}$	9/2000		147234	W36	7/07
14B	7/2000		90413	W36	8/07

### Layer Site 2 – Croton 1st Quarter 2008

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
15	4/16/05		0		
17	6/18/05		0		
19	1/15/05		00		
21	9/18/04		0		
23	2/12/05		0		
25	3/12/05		0		
27	8/20/05		0		
27A	8/20/05		0	<u> </u>	
16	8/20/05		0		
18	6/18/05		0		
20	8/20/05		0		
22	3/5/05		0		
24	8/20/05		0		
26	6/11/05		0		
28	8/20/05		0		
28B	8/20/05		0		

<sup>\* (</sup>j) modified to reflect ESCS installation

### Layer Site 3 – Croton 1st Quarter 2008

# Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
29	9/3/05		0		
31	10/16/04		0		
33	9/3/05		0		
35	9/17/05		0		
37	9/24/05		0		
39	9/10/05		0		
41	11/20/04		0		
41A	10/1/05		0		
30	9/10/05		0		
32	10/1/05		0		
34	9/24/05		0		
36	12/4/05		0		
38	9/10/05		0		
40	10/9/04		0		
42	10/1/05		0		
42B	10/1/05		0		

### Layer Site 4 – Croton 1st Quarter 2008 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
43	(Control Actions) 9/2000	8/11/01			IIIStatitus
45	9/2000	8/18/01	105624	W36	
47	9/2000	8/25/01			Projected 10/08
49	9/2000	9/8/01			
51	9/2000	9/15/01			Projected 11/08
53	9/2000	16/6/01			Projected 1/09
55	2/4/06				
55A			87579	W36_	3/08
44	9/2000	12/3/05	150195	W36	9/07
46	1/10/04	12/17/05	153977	W36_	9/07
48	2/14/04	12/17/05	148965	W36	9/07
50	8/4/04	1/12/06	148927	W36	10/07
52	2/22/04	4/06	162519	W36	11/07
54	9/2000	5/06	164759	W36	12/07
56	9/2000	5/06	167418	W36	1/08
56B			89913	W36	2/08

<sup>\* (</sup>j) modified to reflect ESCS installation

# Layer Site 5 – Mt. Victory 1st Quarter 2008 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS)
		W 76/ W 20	Installation
1	167,765	W36	Projected 7/08
2	151,097	W36	Projected 8/08
3	142,821	W36	Projected 8/08
4	143,587	W36	Projected 9/08
5	136,728	W36	Projected 9/08
6	144,839	W36	Projected 10/08
7	148,644	W36	Projected 1/09
9	145,694	W36	Projected 11/08
10	151,873	W36	Projected 1/09
11	149,266	W36	Projected 12/08
12	136,506	W36	Projected 1/09
13	146,438	W36	Projected 1/09
14	146,180	W36	Projected 1/09
15	146,316	W36	Projected 2/09

Layer Site 6 – Marseilles 1st Quarter 2008 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS)
	•	W 96/ W 30	Installation
1	148,683	W36	4/07
2	147,425	W36	6/07
3	146,725	W36	7/07
4	145,278	W36	8/07
5	146,819	W36	9/07
6	148,956	W36	10/07
7	148,008	W36	11/07
8	149,580	W36	Projected 12/08
9	146,511	W36	1/08
10			2/08
11	151,043	W36	3/08
12	150,970	W36	Projected 4/08
13	152,087	W36	Projected 5/08
14	141,627	W36	Projected 6/08
15	149,004	W36	Projected 6/08
16	152,289	W36	Projected 7/08

<sup>\* (</sup>j) modified to reflect ESCS installation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 4<sup>th</sup> Quarter 2007 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

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AIR ENFORCEMENT BRANC'I U.S. EPA, REGION 5

11212 Croton Road • P.O. Box 288 • Croton, Ohio 43013-0288 (740) 893-7200 • Fax (740) 893-2897

- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005.
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the  $3^{\text{rd}}$  and  $4^{\text{th}}$  quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed ration; compliance with UEP guidelines; and enhanced fiber diet. Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (v) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia emissions 50 percent or more. (vi) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 3rd Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	Date To convert to B/B (Control	Date For Remodeled B/B (Control		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Installation	Implementation
	Actions)	Actions)			4/08	N/A
1	10/25/03			<del>                                     </del>	Projected 12/08	N/A
_3	6/19/04				Projected 2/09	N/A
5	10/30/04					N/A
7	10/30/04			++		N/A
9	3/27/04					N/A
11	5/22/04			-		N/A
13	11/6/04		00555	W36	5/08	N/A
13A			88555		1/07	N/A
$\overline{2}$	1/10/04		150998	W36	1/07	N/A
4	9/2000		138406	W36	1/07	N/A
6	9/2000		144112	W36_	1/07	N/A
8	9/2000		148445	W36	4/07	N/A
10	9/2000		149062	W36	6/07	N/A
12	9/2000		145310	W36_	7/07	N/A
14	9/2000		144954	W36	8/07	N/A
14B			22528	W36	8/07	10,2

### Layer Site 2 – Croton 3rd Quarter 2008

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
		(Control Actions)				N/A
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0	<del>   </del>		N/A
$\frac{-2}{23}$	2/12/05		0			N/A
$\frac{25}{25}$	3/12/05		0			N/A
$\frac{25}{27}$	8/20/05		0			N/A
$\frac{2.7}{27A}$	8/20/05		0			N/A
16	8/20/05		0			N/A
$\frac{18}{18}$	6/18/05		0			N/A
$\frac{10}{20}$	8/20/05		00			N/A
$\frac{20}{22}$	3/5/05		0			N/A
24	8/20/05		0	_		N/A
26	6/11/05		0			N/A
$\frac{28}{28}$	8/20/05		0			N/A
28B	9/20/05	to reflect ESCS	0			11/12

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

### Layer Site 3 - Croton 3rd Quarter 2008

### Consent Decree 3:03 CV 7681 Update

\*(Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Darin	Closure	Reopenin	Populat	Breed	PM Control	Ammonia Control BMPs
Barn		g Date	ion	W98/W36	(ESCS)	Implementation
1	Date	For Remodeled	1022		Installation	Implementation
	To convert to	B/B		1		
	B/B (Control	(Control				
	Actions)	Actions)		<del>   </del>		N/A
29	9/3/05		0			N/A
$\frac{-22}{31}$	10/16/04		0			N/A
33	9/3/05		0	<del>                                     </del>		N/A
35	9/17/05		0			N/A
$\frac{-33}{37}$	9/24/05		0			N/A
	9/10/05		0			N/A
39	11/20/04		0			N/A
41_	10/1/05		0			N/A
41A	9/10/05	+	0			N/A
30			0			N/A
32	10/1/05		0			
34	9/24/05		$\frac{0}{0}$			N/A
36	12/4/05		$\frac{1}{0}$	+		N/A
38	9/10/05		_	-+		N/A
40	10/9/04		00			N/A
42	10/1/05		0			N/A
42B	10/1/05		00	l		<del> </del>

Layer Site 4 - Croton 3rd Quarter 2008

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Populat ion	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	(Control Actions)	(Control Actions)				N/A
43	9/2000	8/11/01	<u> </u>			N/A
45	9/2000	8/18/01			Projected 10/08	N/A
47	9/2000	8/25/01	ļ — — — —			N/A
49	9/2000	9/8/01	<u> </u>	<del> </del>	Projected 11/08	N/A
51	9/2000	9/15/01	<del> </del>		Projected 1/09	N/A
53	9/2000	16/6/01				N/A
55	2/4/06		02624	W36	3/08	N/A
55A			82634	W36	9/07	N/A
44	9/2000	12/3/05	150803	W36	9/07	N/A
46	1/10/04	12/17/05	150458	W36	9/07	N/A
48	2/14/04	12/17/05	151594	W36	10/07	N/A
50	8/4/04	1/12/06	146052		11/07	N/A
52	2/22/04	4/06	150648	W36	12/07	N/A
54	9/2000	5/06	157267	W36	1/08	N/A
56	9/2000	5/06	159035	W36	2/08	N/A
56B			86796	W36	2,00	

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation \*\*ESCS power supply being modified

# Layer Site 5 – Mt. Victory 4th Quarter 2007 Consent Decree 3:03 CV 7681 Update \*(Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation
1	171038	W36	Projected 7/08
$\frac{1}{2}$	153039	W36	Projected 8/08
3	145557	W36	Projected 8/08
4	146159	W36	Projected 9/08
5	139680	W36	Projected 9/08
6	144384	W36	Projected 10/08
7			Projected 1/09
9	147815	W36	Projected 11/08
10	153991	W36	Projected 1/09
11			Projected 12/08
$\frac{11}{12}$	140744	W36	Projected 1/09
13	149108	W36	Projected 1/09
14	148100	W36	Projected 1/09
15	151464	W36	Projected 2/09

# Layer Site 6 – Marseilles 4th Quarter 2007 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation
1	151455	W36	4/07
2	149953	W36	6/07
3	149853	W36	7/07
4	152837	W36	8/07
5	151154	W36	9/07
6			10/07
7	148484	W36	11/07
8	150561	W36	Projected 12/08
9	148852	W36	Projected 1/08
10	147575	W36	Projected 2/08
11	155194	W36	Projected 3/08
12	151595	W36	Projected 4/08
13	154335	W36	Projected 5/08
14	144687	W36	Projected 5/08
15	151912	W36	Projected 6/08
16	154746	W36	Projected 7/08

<sup>\* (</sup>j) has been modified to reflect ESCS installation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 3<sup>rd</sup> Quarter 2007 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

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- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Barn #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Barn #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed ration; compliance with UEP guidelines; and enhanced fiber diet. Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (v) Testing of approved BMPs and enhanced fiber diet commenced in July 2007.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly

gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 3rd Quarter 2007

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure	Reopening	Population	Breed	PM Control
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W36	(ESCS) Installation
1	10/25/03	(======			Projected 4/08
3	6/19/04				Projected 12/08
5	10/30/04				Projected 2/09
7	10/30/04				
9	3/27/04				
11	5/22/04				
13	11/6/04				
13A					Projected 5/08
2	1/10/04		158076	W36	1/07
4	9/2000		153217	W36	1/07
6	9/2000		153741	W36	1/07
8	9/2000		151952	W36	1/07
10	9/2000		154294	W36	4/07
12	9/2000		150511	W36	6/07
14	9/2000		151154	W36	7/07
14B			93245	W36	8/07

### Layer Site 2 – Croton 3rd Quarter 2007

Consent Decree 3:03 CV 7681 Update

(Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
15	4/16/05		0		
17	6/18/05		0		
19	1/15/05		0		
21	9/18/04		0		
23	2/12/05		0		
25	3/12/05		0		
27	8/20/05		0		
27A	8/20/05		0		
16	8/20/05		0		
18	6/18/05		0		
20	8/20/05		0		
22	3/5/05		0		
24	8/20/05		0		
26	6/11/05		0		
28	8/20/05		0		
28B	8/20/05		0		

<sup>\* (</sup>j) modified to reflect ESCS installation

### Layer Site 3 – Croton

3rd Quarter 2007
Consent Decree 3:03 CV 7681 Update
\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
29	9/3/05		0		
31	10/16/04		0		
33	9/3/05		0		
35	9/17/05		0		
37	9/24/05		0		
39	9/10/05		0		
41	11/20/04		0		
41A	10/1/05		0		
30	9/10/05		0		
32	10/1/05		0		
34	9/24/05		0		
36	12/4/05		0		
38	9/10/05		0		
40	10/9/04		0		
42	10/1/05		0		
42B	10/1/05		0		

### Layer Site 4 – Croton 3rd Quarter 2007

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
43	9/2000	8/11/01	104783		
45	9/2000	8/18/01	111628		
47	9/2000	8/25/01	87195		Projected 10/08
49	9/2000	9/8/01	104631		
51	9/2000	9/15/01			Projected 11/08
53	9/2000	16/6/01			Projected 1/09
55	2/4/06				
55A					Projected 3/08
44	9/2000	12/3/05	154086	W36	9/07
46	1/10/04	12/17/05	157239	W36	9/07
48	2/14/04	12/17/05	87195	W36	9/07
50	8/4/04	1/12/06	152984	W36	Projected 10/07
52	2/22/04	4/06	165757	W36	Projected 11/07
54	9/2000	5/06			Projected 12/07
56	9/2000	5/06	133421	W36	Projected 1/08
56B			80198	W36	Projected 2/08

<sup>\* (</sup>j) modified to reflect ESCS installation

### Layer Site 5 – Mt. Victory 3rd Quarter 2007

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS)
		74 76/ 44 20	Installation
1	173824	W36	Projected 7/08
2	154446	W36	Projected 8/08
3	147633	W36	Projected 8/08
4	149014	W36	Projected 9/08
5	142705	W36	Projected 9/08
6	147980	W36	Projected 10/08
7	149158	W36	Projected 1/09
9	149762	W36	Projected 11/08
10	155393	W36	Projected 1/09
11	140578	W36	Projected 12/08
12	143936	W36	Projected 1/09
13			Projected 1/09
14	149893	W36	Projected 1/09
15	153733	W36	Projected 2/09

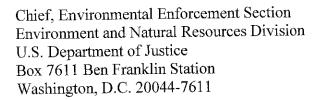
## Layer Site 6 – Marseilles 3rd Quarter 2007 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS)
:			Installation
1	139294	W36	4/07
2	153240	W36	6/07
3	146099	W36	7/07
4	154657	W36	8/07
5	149570	W36	9/07
6	149465	W36	Projected 10/07
7	152668	W36	Projected 11/07
8			Projected 12/08
9	152600	W36	Projected 11/08
10	151665	W36	Projected 2/08
11	156321	W36	Projected 3/08
12	153930	W36	Projected 4/08
13	155831	W36	Projected 5/08
14	147210	W36	Projected 6/08
15	153297	W36	Projected 6/08
16	156043	W36	Projected 7/08

<sup>\*</sup> (j) modified to reflect ESCS installation



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U.S. Environmental protection Agency
Region 5, AE-17J
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Chicago, Illinois 60604



Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 2<sup>nd</sup> Quarter 2007 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).



- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and have continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed ration; compliance with UEP guidelines; and enhanced fiber diet. Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. Testing scheduled to commence in July 2007.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information

submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 2nd Quarter 2007

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure	Reopening	Population	Breed	PM Control
	Date	Date		W98/W36	(ESCS)
	To convert to B/B	For Remodeled B/B			Installation
	(Control Actions)	(Control Actions)			Ducinetad 4/09
1	10/25/03				Projected 4/08
3	6/19/04				Projected 12/08
5	10/30/04				Projected 2/09
7	10/30/04				
9	3/27/04				
11	5/22/04				
13	11/6/04				
13A					Projected 5/08
2	1/10/04		159860	W36	1/07
4	9/2000		154502	W36	1/07
6	9/2000		147690	W36	1/07
8	9/2000		156995	W36	1/07
10	9/2000		157497	W36	4/07
12	9/2000		152288	W36	6/07
14	9/2000		152771	W36	Projected 7/07
14B			93883	W36	Projected 8/07

### Layer Site 2 – Croton 2nd Quarter 2007

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
15	4/16/05		0		
17	6/18/05		0		
19	1/15/05		0		
21	9/18/04		0		
23	2/12/05		0		
25	3/12/05		0		
27	8/20/05		0		
27A	8/20/05		0		
16	8/20/05		0		
18	6/18/05		0		
20	8/20/05		0		
22	3/5/05		0		
24	8/20/05		0		
26	6/11/05		0		
28	8/20/05		0		
28B	8/20/05		0		

<sup>\* (</sup>j) modified to reflect ESCS installation

### Layer Site 3 – Croton 2nd Quarter 2007

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
29	9/3/05		0		
31	10/16/04		0		
33	9/3/05		0		
35	9/17/05		0		
37	9/24/05		0		
39	9/10/05		0		
41	11/20/04		0		
41A	10/1/05		0		
30	9/10/05		0		
32	10/1/05		0		
34	9/24/05		0		
36	12/4/05		0		
38	9/10/05		0		
40	10/9/04		0		
42	10/1/05		0		
42B	10/1/05		0		

## Layer Site 4 – Croton 2nd Quarter 2007 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
43	9/2000	8/11/01	106728	W36	
45	9/2000	8/18/01	112898	W36	
47	9/2000	8/25/01	90700	W36	Projected 10/08
49	9/2000	9/8/01	106881	W36	
51	9/2000	9/15/01			Projected 11/08
53	9/2000	16/6/01	101733	W36	Projected 1/09
55	2/4/06				
55A					Projected 3/08
44	9/2000	12/3/05	155063	W36	Projected 9/07
46	1/10/04	12/17/05	158243	W36	Projected 9/07
48	2/14/04	12/17/05	153521	W36	Projected 9/07
50	8/4/04	1/12/06	154082	W36	Projected 10/07
52	2/22/04	4/06			Projected 11/07
54	9/2000	5/06			Projected 12/07
56	9/2000	5/06			Projected 1/08
56B			81492	W36	Projected 2/08

<sup>\* (</sup>j) modified to reflect ESCS installation

## Layer Site 5 – Mt. Victory 2<sup>nd</sup> Quarter 2007

### Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS)
		W 96/ W 30	Installation
1	144019	W36	Projected 7/08
2	156149	W36	Projected 8/08
3	150413	W36	Projected 8/08
4	146110	W36	Projected 9/08
5			Projected 9/08
6	143620	W36	Projected 10/08
7	152139	W36	Projected 1/08
9	146237	W36	Projected 11/08
10	156604	W36	Projected 1/09
11	147996	W36	Projected 12/08
12			Projected 1/09
13	144005	W36	Projected 1/09
14	145001	W36	Projected 1/09
15	155571	W36	Projected 1/09

## Layer Site 6 – Marseilles 2nd Quarter 2007 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed	PM Control
		W98/W36	System
			(ESCS)
			Installation
1	146888	W36	Projected 4/07
2	154657	W36	Projected 6/07
3	151449	W36	Projected 7/07
4	155802	W36	Projected 8/07
5	153617	W36	Projected 9/07
6	152643	W36	Projected 10/07
7	155348	W36	Projected 11/07
8	145429	W36	Projected 12/08
9	154800	W36	Projected 1/08
10	154211	W36	Projected 2/08
11	157463	W36	Projected 3/08
12	155683	W36	Projected 4/08
13	172275	W36	Projected 5/08
14	151580	W36	Projected 6/08
15	155051	W36	Projected 6/08
16	158361	W36	Projected 7/08

 $<sup>\</sup>ast$  (j) modified to reflect ESCS installation





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Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 1<sup>st</sup> Quarter 2007 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) Based on OFE November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and have continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005 at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed ration; compliance with UEP guidelines; and enhanced fiber diet.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information

submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 1<sup>st</sup> Quarter 2007

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
1	10/25/03	,			Projected 4/08
3	6/19/04				Projected 12/08
5	10/30/04				Projected 2/09
7	10/30/04				
9	3/27/04				
11	5/22/04				
13	11/6/04				
13A					Projected 5/08
2	1/10/04		160789	W36	1/07
4	9/2000		157008	W36	1/07
6	9/2000		153714	W36	1/07
8	9/2000		158911	W36	1/07
10	9/2000		158827	W36	Projected 4/07
$\frac{10}{12}$	9/2000		153381	W36	Projected 6/07
$\frac{12}{14}$	9/2000		153864	W36	Projected 7/07
14B	7,2000		90403	W36	Projected 8/07

### Layer Site 2 – Croton 1st Quarter 2007

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
15	4/16/05		0		
17	6/18/05		0		
19	1/15/05		0		
21	9/18/04		0		
23	2/12/05		0		
25	3/12/05		0		
27	8/20/05		0		
27A	8/20/05		0		
16	8/20/05		0		
18	6/18/05		0		
20	8/20/05		0		
22	3/5/05		0		
24	8/20/05		0		
26	6/11/05		0		
28	8/20/05		0		
28B	8/20/05		0		

<sup>\* (</sup>j) modified to reflect ESCS installation

### Layer Site 3 – Croton 1st Quarter 2007 Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
29	9/3/05		0		
31	10/16/04		0	:	
33	9/3/05		0		
35	9/17/05		0		
37	9/24/05		0		
39	9/10/05		0		
41	11/20/04		0		
41A	10/1/05		0		
30	9/10/05		0		
32	10/1/05		0		
34	9/24/05		0		
36	12/4/05		0		
38	9/10/05		0		
40	10/9/04		0		
42	10/1/05		0		
42B	10/1/05		0		

## Layer Site 4 – Croton 1st Quarter 2007 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS)
	(Control Actions)	(Control Actions)			Installation
43	9/2000	8/11/01	107619	W36	
45	9/2000	8/18/01	114427	W36	
47	9/2000	8/25/01	92079	W36	Projected 10/08
49	9/2000	9/8/01	107862	W36	
51	9/2000	9/15/01	106289	W36	Projected 11/08
53	9/2000	16/6/01	105621	W36	Projected 1/09
- 55	2/4/06				
55A					Projected 3/08
44	9/2000	12/3/05	138933	W36	Projected 9/07
46	1/10/04	12/17/05	153406	W36	Projected 9/07
48	2/14/04	12/17/05	150711	W36	Projected 9/07
50	8/4/04	1/12/06	155516	W36	Projected 10/07
52	2/22/04	4/06			Projected 11/07
54	9/2000	5/06			Projected 12/07
56	9/2000	5/06			Projected 1/08
56B			82128	W36	Projected 2/08

<sup>\* (</sup>j) modified to reflect ESCS installation

## Layer Site 5 – Mt. Victory 1st Quarter 2007 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation
1	151637	W36	Projected 7/08
2	146343	W36	Projected 8/08
3	149951	W36	Projected 8/08
4	151603	W36	Projected 9/08
5	150265	W36	Projected 9/08
6	149303	W36	Projected 10/08
7	154709	W36	Projected 1/09
9	150850	W36	Projected 11/08
10	157633	W36	Projected 1/09
11	151933	W36	Projected 12/08
12	149315	W36	Projected 1/09
13	148370	W36	Projected 1/09
14	150175	W36	Projected 1/09
15	156803	W36	Projected 1/09

Layer Site 6 – Marseilles
1st Quarter 2007
Consent Decree 3:03 CV 7681 Update
\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Population	Breed	PM Control
		W98/W36	(ESCS)  Installation
1	152140	W36	Projected 4/07
2	156295	W36	Projected 6/07
3	155200	W36	Projected 7/07
4	156896	W36	Projected 8/07
5	156096	W36	Projected 9/07
6	155032	W36	Projected 10/07
7	157299	W36	Projected 11/07
8	150898	W36	Projected 12/08
9	156659	W36	Projected 1/08
10	155913	W36	Projected 2/08
11	158864	W36	Projected 3/08
12	156818	W36	Projected 4/08
13	173116	W36	Projected 5/08
14			Projected 6/08
15	156234	W36	Projected 6/08
16	159797	W36	Projected 7/08

<sup>\* (</sup>j) modified to reflect ESCS installation





Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree – 4<sup>th</sup> Quarter 2006 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

- PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006. (v) ESCS installation to commence January 2007.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and have continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in the 3<sup>rd</sup> quarter of 2005 at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 4th Quarter 2006

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure	Reopening	Population	Breed	PM Control (ESCS)
	Date	Date		W98/W36	Installation
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			
1	10/25/03	(Control 1 tettoris)			Projected 4/08
3	6/19/04				Projected 12/08
<u> </u>	10/30/04				Projected 2/09
7	10/30/04				
9	3/27/04				
11	5/22/04				
13	11/6/04				
13A					Projected 5/08
2	1/10/04		153996	W36	Projected 1/07
4	9/2000		158908	W36	Projected 1/07
6	9/2000		156084	W36	Projected 1/07
8	9/2000		160159	W36	Projected 1/07
10	9/2000		160218	W36	Projected 4/07
12	9/2000		154182	W36	Projected 6/07
14	9/2000		154725	W36	Projected 7/07
14B			92130	W36	Projected 8/07

### Layer Site 2 – Croton 4th Quarter 2006

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
15	4/16/05		0		
17	6/18/05		0		
19	1/15/05		0		
21	9/18/04		0		
23	2/12/05		0		
25	3/12/05		0		
27	8/20/05		0		
27A	8/20/05		0		
16	8/20/05		0		
18	6/18/05		0		
20	8/20/05		0		
22	3/5/05		0		
24	8/20/05		0		
26	6/11/05		0		
28	8/20/05		0		
28B	8/20/05	. 11 . (	0		<u> </u>

<sup>\* (</sup>j) modified to reflect ESCS installation

### Layer Site 3 – Croton 4th Quarter 2006

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation
29	9/3/05		0		
31	10/16/04		0		· .
33	9/3/05		0		
35	9/17/05		0		
37	9/24/05		0		
39	9/10/05		0		
41	11/20/04		0		
41A	10/1/05		0		
30	9/10/05		0		
32	10/1/05		00		
34	9/24/05		0		
36	12/4/05		0		
38	9/10/05		0	_	
40	10/9/04		0		
42	10/1/05		0		
42B	10/1/05		0		

Layer Site 4 – Croton

4<sup>th</sup> Quarter 2006

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS) Installation
	(Control Actions)	(Control Actions)	108126	W36	Higherita
43_	9/2000	8/11/01		W36	
45	9/2000	8/18/01	103511		Duningted 10/08
47	9/2000	8/25/01	92735	W36	Projected 10/08
49	9/2000	9/8/01	108828	W36	
51	9/2000	9/15/01	107730	W36	Projected 11/08
53	9/2000	16/6/01	106842	W36	Projected 1/09
55	2/4/06				
55A				_	Projected 3/08
44	9/2000	12/3/05	157559	W36	Projected 9/07
46	1/10/04	12/17/05	158296	W36	Projected 9/07
48	2/14/04	12/17/05	157227	W36	Projected 9/07
50	8/4/04	1/12/06	158749	W36	Projected 10/07
52	2/22/04				Projected 11/07
	9/2000				Projected 12/07
54					Projected 1/08
56_	9/2000		94131	W36	Projected 2/08
56B					

<sup>\* (</sup>j) modified to reflect ESCS installation

# Layer Site 5 – Mt. Victory 4th Quarter 2006 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	PM Impaction System Installation Date	Population	Breed W98/W36	PM Control (ESCS) Installation
	Installation Date	154008	W36	Projected 7/08
$\frac{1}{2}$	Removed 1/05	151589	W36	Projected 8/08
$-\frac{2}{3}$	Temoved 1/ 35	153516	W36	Projected 8/08
4		154110	W36	Projected 9/08
5		153033	W36	Projected 9/08
6		151864	W36	Projected 10/08
7		156326	W36	Projected 10/08
9		153054	W36	Projected 1/09
10		148546	W36	Projected 11/08
$\frac{10}{11}$		154009	W36	Projected 1/09
12		152594	W36	Projected 12/08
$\frac{12}{13}$		151706	W36	Projected 1/09
$\frac{13}{14}$		152904	W36	Projected 1/09
15		157970	W36	Projected 1/09

# Layer Site 6 – Marseilles 4th Quarter 2006 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j))

Barn	PM Impaction System Installation Date	Population	Breed W98/W36	PM Control (ESCS) Installation
1	Jistaliation Date	154845	W36	Projected 4/07
$\frac{1}{2}$		157285	W36	Projected 6/07
$\frac{2}{3}$		156764	W36	Projected 7/07
$\frac{-3}{4}$		146796	W36	Projected 8/07
5		157844	W36	Projected 9/07
$\frac{3}{6}$		156235	W36	Projected 10/07
7		158213	W36	Projected 11/07
8		153934	W36	Projected 12/08
9		158022	W36	Projected 1/08
10		157613	W36	Projected 2/08
11		150810	W36	Projected 3/08
12		186652	W36	Projected 4/08
13	+	140331	W36	Projected 5/08
14		141915	W36	Projected 6/08
15		143853	W36	Projected 6/08
16		151348	W36	Projected 7/08

<sup>\* (</sup>j) modified to reflect ESCS installation

MAR 23 2009

Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 3<sup>rd</sup> Quarter 2006 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is belatedly submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current

reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test barn at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test barn at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emissions control on August 3, 2006.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and have continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner

CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

### Layer Site 1 – Croton 3rd Quarter 2006 Consent Decree 3:03 CV 7681 Update

(Attachment A-III Reporting Obligations 32 (a) (b) (i))

Barn	Closure	Reopening	Population	Breed
	Date	Date		W98/W36
	To convert to B/B	For Remodeled B/B		
	(Control Actions)	(Control Actions)		
1	10/25/03			
3	6/19/04			
5	10/30/04			
7	10/30/04			
9	3/27/04			
11	5/22/04			
13	11/6/04			
13A				
2	1/10/04		157881	W36
4	9/2000		159866	W36
6	9/2000		157642	W36
8	9/2000		161156	W36
10	9/2000		160952	W36
12	9/2000		42608	W36
14	9/2000			
14B			92930	W36

## Layer Site 2 – Croton 3rd Quarter 2006 Consent Decree 3:03 CV 7681 Update \* (Attachment A-III Reporting Obligations 32 (a) (b) (i))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36
15	4/16/05		0	
17	6/18/05		0	
19	1/15/05		0	
21	9/18/04		0	
23	2/12/05		0	
25	3/12/05		0	
27	8/20/05		0	
27A	8/20/05		0	
16	8/20/05		0	
18	6/18/05		0	
20	8/20/05		0	
22	3/5/05		0	
24	8/20/05		0	
26	6/11/05		0	
28	8/20/05		0	
28B	8/20/05		0	

### Layer Site 3 – Croton 3rd Quarter 2006 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36
	(Control Actions)	(Control Actions)		W 96/ W 30
29	9/3/05		0	
31	10/16/04		0	
33	9/3/05		0	
35	9/17/05		0	
37	9/24/05		0	
39	9/10/05		0	,
41	11/20/04		0	
41A	10/1/05		0	
30	9/10/05		0	
32	10/1/05		0	
34	9/24/05		0	
36	12/4/05		0	
38	9/10/05		0	
40	10/9/04		0	
42	10/1/05		0	
42B	10/1/05		0	

### Layer Site 4 – Croton 3rd Quarter 2006 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36
	(Control Actions)	(Control Actions)		W 30/ W 30
43	9/2000	8/11/01	108792	
45	9/2000	8/18/01	105926	
47	9/2000	8/25/01	108299	
49	9/2000	9/8/01	109295	
51	9/2000	9/15/01	108372	
53	9/2000	16/6/01	107482	
55	2/4/06			
55A				
44	9/2000	12/3/05	159496	W36
46	1/10/04	12/17/05	159772	W36
48	2/14/04	12/17/05	158840	W36
50	8/4/04	1/12/06	159908	W36
52	2/22/04			
54	9/2000			
56	9/2000			
56B				

## Layer Site 5 – Mt. Victory 3rd Quarter 2006 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i))

Barn	PM Impaction System Installation Date	Population	Breed W98/W36
1		155514	W36
2	Removed 1/05	154507	W36
3		155349	W36
4		155408	W36
5		154503	W36
6		153449	W36
7		158031	W36
9		154442	W36
10		152999	W36
11		155293	W36
12		154608	W36
13		153886	W36
14		154461	W36
15			

Layer Site 6 – Marseilles 3rd Quarter 2006 Consent Decree 3:03 CV 7681 Update (Attachment A-III Reporting Obligations 32 (a) (b) (i))

Barn	PM	Population	Breed
	Impaction System Installation Date		W98/W36
1	Histaliation Date	156247	W36
2			W36
3		157644	W36
4		153956	W36
5		158485	W36
6		158518	W36
7		159033	W36
8		155374	W36
9		85165	W36
10			
11		154617	W36
12		152163	W36
13		149542	W36
14		148991	W36
15		153409	W36
16		154788	W36



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 3<sup>rd</sup> Quarter 2010 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1st quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

# Layer Site 1 – Croton 3rd Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control	Ammonia
	Date To convert to B/B	Date For Remodeled B/B		W98/W36	(ESCS) Installation	Control BMPs Implementation
	(Control Actions)	(Control Actions)		-		
1	10/25/03	9-6-08	157,738	W36	4/08	N/A
3	6/19/04	9-25-08	145,711	W36	12/08	N/A
5	10/30/04	10-22-08	159,083	W36	2/09	N/A
7	10/30/04	4/13/09	143,538	W36	11/09	N/A
9	3/27/04	4/13/09	130,835	W36	11/09	N/A
11	5/22/04	4/13/09	129,489	W36	11/09	N/A
13	11/6/04	4/13/09	129,665	W36	11/09	N/A
13A	N/A		78,207	W36	5/08	N/A
2	1/10/04	7/18/09	142,206		1/07	N/A
4	9/2000	1/15/2001	141,016		1/07	N/A
6	9/2000	1-15-2001	142,810	W36	1/07	N/A
8	4/8/09	8/7/2010	143,820		1/07	N/A
10	4/8/09	8/14/2010	144,354		4/07	N/A
12	5/10/09	9/11/2010	0		6/07	N/A
14	5/10/09		0		7/07	N/A
14B	N/A		81,937		8/07	N/A

# Layer Site 2 – Croton 3rd Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0	,		N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 3rd Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date To convert to	Date For Remodeled B/B	_	W98/W36	(ESCS) Installation	Control BMPs
	B/B	(Control Actions)			instantantion	Implementation
	(Control Actions)					
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 3rd Quarter 2010

Consent Decree 3:03 CV 7681 Update
\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	141,862	W36	11/09	N/A
45	9/2000	8/18/01	142,716	W36	11/09	N/A
47	9/2000	8/25/01	142,840	W36	10/08	N/A
49	9/2000	9/8/01	140,873	W36	11/09	N/A
51	9/2000	9/15/01	141,062	W36	11/08	N/A
53	9/2000	16/6/01	141,435	W36	1/09	N/A
55	2/4/06	4/24/10	142,167	W36	11/09	N/A
55A	N/A		75,887	W36	3/08	N/A
44	9/2000	12/3/05	137,838	W36	9/07	N/A
46	1/10/04	12/17/05	130,370	W36	9/07	N/A
48	2/14/04	12/17/05	138,554	W36	9/07	N/A
50	8/4/04	1/12/06	138,989	W36	10/07	N/A
52	2/22/04	4/06	139,933	W36	11/07	N/A
54	9/2000	5/06	163,278	W36	12/07	N/A
56	9/2000	5/06	161,759	W36	1/08	N/A
56B	N/A		78,237	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

# Layer Site 5 – Mt. Victory 3rd Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

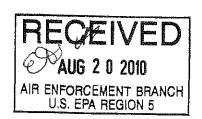
Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	135,522	W36	7/08	10/08
2	135,852	W36	8/08	10/08
3	137,760	W36	8/08	10/08
4	136,587	W36	9/08	10/08
5	138,163	W36	9/08	10/08
6	137,307	W36	10/08	10/08
7	137,106	W36	1/09	10/08
9	138,009	W36	11/08	10/08
10	136,313	W36	1/09	10/08
11	130,294	W36	12/08	10/08
12	136,331	W36	1/09	10/08
13	142,323	W36	1/09	10/08
14	137,507	W36	1/09	10/08
15	135,346	W36	2/09	10/08

# Layer Site 6 – Marseilles 3rd Quarter 2010

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	0	W36	4/07	10/08
2	136,953	W36	6/07	10/08
3	144,161	W36	7/07	10/08
4	133,492	W36	8/07	10/08
5	131,388	W36	9/07	10/08
6	138,389	W36	10/07	10/08
7	132,205	W36	11/07	10/08
8	136,064	W36	12/08	10/08
9	0	W36	1/08	10/08
10	136,064	W36	2/08	10/08
11	135,295	W36	3/08	10/08
12	134,039	W36	4/08	10/08
13	130,875	W36	5/08	10/08
14	138,699	W36	6/08	10/08
15	137,522	W36	6/08	10/08
16	135,976	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Compliance Tracker Air Enforcement and Compliance Assurance Branch U.S. Environmental protection Agency Region 5, AE-17J 77 West Jackson Boulevard Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree – 2nd Quarter 2010 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> guarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

#### Layer Site 1 – Croton 2nd Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			Installation	Implementation
1	10/25/03	9-6-08	160,368	W36	4/08	N/A
3	6/19/04	9-25-08	147,822	W36	12/08	N/A
5	10/30/04	10-22-08	161,686	W36	2/09	N/A
7	10/30/04	4/13/09	131,644	W36	11/09	N/A
9	3/27/04	4/13/09	134,298	W36	11/09	N/A
11	5/22/04	4/13/09	132,715	W36	11/09	N/A
13	11/6/04	4/13/09	132,844	W36	11/09	N/A
13A	N/A		79,628	W36	5/08	N/A
2	1/10/04		0		1/07	N/A
4	9/2000		0		1/07	N/A
6	9/2000	1-15-2001	132,636	W36	1/07	N/A
8	4/8/09		0		1/07	N/A
10	4/8/09		0		4/07	N/A
12	5/10/09		0		6/07	N/A
14	5/10/09		0		7/07	N/A
14B	N/A		0		8/07	N/A

# Layer Site 2 – Croton 2nd Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

# Layer Site 3 – Croton 2nd Quarter 2010

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0	-		N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

# Layer Site 4 – Croton 2nd Quarter 2010

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	143,235	W36	11/09	N/A
45	9/2000	8/18/01	144,153	W36	11/09	N/A
47	9/2000	8/25/01	135,046	W36	10/08	N/A
49	9/2000	9/8/01	143,060	W36	11/09	N/A
51	9/2000	9/15/01	144,009	W36	11/08	N/A
53	9/2000	16/6/01	143,570	W36	1/09	N/A
55	2/4/06	4/24/10	143,722	W36	11/09	N/A
55A	N/A		78,172	W36	3/08	N/A
44	9/2000	12/3/05	140,106	W36	9/07	N/A
46	1/10/04	12/17/05	135,804	W36	9/07	N/A
48	2/14/04	12/17/05	141,510	W36	9/07	N/A
50	8/4/04	1/12/06	141,234	W36	10/07	N/A
52	2/22/04	4/06	142,744	W36	11/07	N/A
54	9/2000	5/06	135,905	W36	12/07	N/A
56	9/2000	5/06	108,086	W36	1/08	N/A
56B	N/A		79,693	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

# Layer Site 5 – Mt. Victory 2<sup>nd</sup> Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	137,716	W36	7/08	10/08
2	138,270	W36	8/08	10/08
3	140,041	W36	8/08	10/08
4	139,415	W36	9/08	10/08
5	140,595	W36	9/08	10/08
6	139,402	W36	10/08	10/08
7	139,510	W36	1/09	10/08
9	140,885	W36	11/08	10/08
10	138,979	W36_	1/09	10/08
11	134,871	W36	12/08	10/08
12	138,619	W36	1/09	10/08
13	129,549	W36	1/09	10/08
14	140,008	W36	1/09	10/08
15	138,056	W36	2/09	10/08

#### Layer Site 6 – Marseilles 2nd Quarter 2010

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	0	W36	4/07	10/08
2	139,788	W36	6/07	10/08
3	129,838	W36	7/07	10/08
4	135,523	W36	8/07	10/08
5	133,759	W36	9/07	10/08
6	140,530	W36	10/07	10/08
7	134,176	W36	11/07	10/08
8	132,071	W36	12/08	10/08
9	0	W36	1/08	10/08
10	138,220	W36	2/08	10/08
11	137,577	W36	3/08	10/08
12	135,938	W36	4/08	10/08
13	133,690	W36	5/08	10/08
14	141,494	W36	6/08	10/08
15	139,468	W36	6/08	10/08
16	138,282	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree – 1st Quarter 2010 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1st quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

#### Layer Site 1 – Croton 1st Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control	For Remodeled B/B (Control			Installation	Implementation
	Actions)	Actions)				
1	10/25/03	9-6-08	163,733	W36	4/08	N/A
3	6/19/04	9-25-08	150,322	W36	12/08	N/A
5	10/30/04	10-22-08	179,432	W36	2/09	N/A
7	10/30/04	4/13/09	134,764	W36	11/09	N/A
9	3/27/04	4/13/09	137,355	W36	11/09	N/A
11	5/22/04	4/13/09	135,605	W36	11/09	N/A
13	11/6/04	4/13/09	134,498	W36	11/09	N/A
13A	N/A		81,016	W36	5/08	N/A
2	1/10/04		0		1/07	N/A
4	9/2000		0		1/07	N/A
6	9/2000	1-15-2001	136,992	W36	1/07	N/A
8	4/8/09		0		1/07	N/A
10	4/8/09		0		4/07	N/A
12	5/10/09		0		6/07	N/A
14	5/10/09		0		7/07	N/A
14B	N/A		0		8/07	N/A

# Layer Site 2 – Croton 1<sup>st</sup> Quarter 2010 Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	Actions)	ļ				
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 1st Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 1st Quarter 2010

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	0		11/09	N/A
45	9/2000	8/18/01	0		11/09	N/A
47	9/2000	8/25/01	138,087	W36	10/08	N/A
49	9/2000	9/8/01	0		11/09	N/A
51	9/2000	9/15/01	138,618	W36	11/08	N/A
53	9/2000	16/6/01	137,952	W36	1/09	N/A
55	2/4/06		0		11/09	N/A
55A	N/A		80,241	W36	3/08	N/A
44	9/2000	12/3/05	141,969	W36	9/07	N/A
46	1/10/04	12/17/05	139,838	W36	9/07	N/A
48	2/14/04	12/17/05	143,139	W36	9/07	N/A
50	8/4/04	1/12/06	142,762	W36	10/07	N/A
52	2/22/04	4/06	136,758	W36	11/07	N/A
54	9/2000	5/06	138,362	W36	12/07	N/A
56	9/2000	5/06	136,582	W36	1/08	N/A
56B	N/A		81,664	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 1st Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

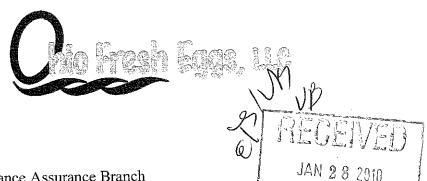
\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	140,399	W36	7/08	10/08
2	141,142	W36	8/08	10/08
3	142,154	W36	8/08	10/08
4	143,777	W36	9/08	10/08
5	0	W36	9/08	10/08
6	143,021	W36	10/08	10/08
7	141,622	W36	1/09	10/08
9	144,180	W36	11/08	10/08
10	141,243	W36	1/09	10/08
11	138,137	W36	12/08	10/08
12	141,467	W36	1/09	10/08
13	133,633	W36	1/09	10/08
14	133,909	W36	1/09	10/08
15	140,544	W36	2/09	10/08

#### Layer Site 6 – Marseilles 1st Quarter 2010 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	135,131	W36	4/07	10/08
2	142,537	W36	6/07	10/08
3	133,658	W36	7/07	10/08
4	140,061	W36	8/07	10/08
5	137,666	W36	9/07	10/08
6	142,851	W36	10/07	10/08
7	137,455	W36	11/07	10/08
8	135,826	W36	12/08	10/08
9	134,874	W36	1/08	10/08
10	141,230	W36	2/08	10/08
11	140,870	W36	3/08	10/08
12	139,486	W36	4/08	10/08
13	136,064	W36	5/08	10/08
14	144,510	W36	6/08	10/08
15	142,162	W36	6/08	10/08
16	141,612	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Compliance Tracker
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Region 5, AE-17J
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Chicago, Illinois 60604

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Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree – 4th Quarter 2009 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner

CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

#### Layer Site 1 – Croton 4th Quarter 2009

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
!	To convert to B/B	For Remodeled B/B			Installation	Implementation
	(Control Actions)	(Control Actions)			4/08	N/A `
1	10/25/03		151,134	W36		N/A
3	6/19/04		152,932	W36	12/08	
5	10/30/04		157,567	W36	2/09	N/A
7	10/30/04	4/13/09	138,116	W36	11/09	N/A
9	3/27/04	4/13/09	140,254	W36	11/09	N/A
11	5/22/04	4/13/09	138,285	W36	11/09	N/A
13	11/6/04	4/13/09	138,111	W36	11/09	N/A
13A	N/A		82,114	W36	5/08	N/A
2	1/10/04		0		1/07	N/A
4	9/2000		139,503	W36	1/07	N/A
6	9/2000	/	138,957	W36	1/07	N/A
8	4/8/09		0		1/07	N/A
10	4/8/09		0		4/07	N/A
12	5/10/09	1	0		6/07	N/A
$\frac{12}{14}$	5/10/09		0		7/07	N/A
14B	N/A		80,010	W36	8/07	N/A

#### Layer Site 2 – Croton 4th Quarter 2009

#### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
$\frac{24}{26}$	6/11/05		0			N/A
$\frac{20}{28}$	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 4<sup>th</sup> Quarter 2009

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	To convert to B/B	For Remodeled B/B (Control Actions)			mstammon	Implementation
	(Control Actions)					27/4
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 4th Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed w98/w36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	0		11/09	N/A
45	9/2000	8/18/01	0		11/09	N/A
47	9/2000	8/25/01	141,162	W36	** 10/08	N/A
49	9/2000	9/8/01	0		11/09	N/A
51	9/2000	9/15/01	140,421	W36	** 11/08	N/A
53	9/2000	16/6/01	139,879	W36	** 1/09	N/A
55	2/4/06		0		11/09	N/A
55A	N/A		81,578	W36	3/08	N/A
44	9/2000	12/3/05	143,218	W36	9/07	N/A
46	1/10/04	12/17/05	142,769	W36	9/07	N/A
48	2/14/04	12/17/05	143,942	W36	9/07	N/A
50	8/4/04	1/12/06	144,091	W36	10/07	N/A
52	2/22/04	4/06	138,477	W36	11/07	N/A
54	9/2000	5/06	140,808	W36	12/07	N/A
56	9/2000	5/06	140,025	W36	1/08	N/A
56B	N/A		82,340	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 4th Quarter 2009

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	143,681	W36	7/08	10/08
2	63,640	W36	8/08	10/08
3	134,305	W36	8/08	10/08
4	137,335	W36	9/08	10/08
5	138,854	W36	9/08	10/08
6	137,711	W36	10/08	10/08
7	143,209	W36	1/09	10/08
9	139,994	W36	11/08	10/08
10	143,591	W36	1/09	10/08
11	140,923	W36	12/08	10/08
12	0	W36	1/09	10/08
13	136,214	W36	1/09	10/08
14	137,528	W36	1/09	10/08
15	143,719	W36	2/09	10/08

#### Layer Site 6 – Marseilles 4th Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	137,934	W36	4/07	10/08
2	145,005	W36	6/07	10/08
3	136,510	W36	7/07	10/08
4	142,625	W36	8/07	10/08
5	139,900	W36	9/07	10/08
6	144,799	W36	10/07	10/08
7	140,314	W36	11/07	10/08
8	139,284	W36	12/08	10/08
9	137,740	W36	1/08	10/08
10	143,081	W36	2/08	10/08
11	142,851	W36	3/08	10/08
12	141,421	W36	4/08	10/08
13	138,432	W36	5/08	10/08
14	135,439	W36	6/08	10/08
15	143,748	W36	6/08	10/08
16	143,886	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

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J. GENERIT LIMANUH

Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 3rd Quarter 2009 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005

- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

# Layer Site 1 – Croton 3<sup>rd</sup> Quarter 2009 Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control	For Remodeled B/B (Control			Installation	Implementation
1	Actions) 10/25/03	Actions)	155929	W36	4/08	N/A
3	6/19/04		155985	W36	12/08	N/A
5	10/30/04		159947	W36	2/09	N/A
7	10/30/04	4/13/09	141727	W36		N/A
9	3/27/04	4/13/09	142255	W36		N/A
11	5/22/04	4/13/09	142654	W36		N/A
13	11/6/04	4/13/09	142596	W36		N/A
13A	N/A		82994	W36	5/08	N/A
2	1/10/04		0		1/07	N/A
4	9/2000		141411	W36	1/07	N/A
6	9/2000		140183	W36	1/07	N/A
8	4/8/09		0		1/07	N/A
10	4/8/09		0		4/07	N/A
12	5/10/09		0		6/07	N/A
14	5/10/09		0		7/07	N/A
14B	N/A		81729	W36	8/07	N/A

# Layer Site 2 – Croton 3<sup>rd</sup> Quarter 2009

#### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0		1.1111111111111111111111111111111111111	N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0		<u> </u>	N/A
28B	8/20/05		0	-		N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

# Layer Site 3 – Croton 3<sup>rd</sup> Quarter 2009 Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0		•	N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0		•	N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 3rd Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	0			N/A
45	9/2000	8/18/01	0			N/A
47	9/2000	8/25/01	142502	W36	** 10/08	N/A
49	9/2000	9/8/01	0			N/A
51	9/2000	9/15/01	141464	W36	** 11/08	N/A
53	9/2000	16/6/01	141014	W36	** 1/09	N/A
55	2/4/06		0			N/A
55A	N/A		0	W36	3/08	N/A
44	9/2000	12/3/05	33624	W36	9/07	N/A
46	1/10/04	12/17/05	143591	W36	9/07	N/A
48	2/14/04	12/17/05	145125	W36	9/07	N/A
50	8/4/04	1/12/06	139721	W36	10/07	N/A
52	2/22/04	4/06	139993	W36	11/07	N/A
54	9/2000	5/06	142501	W36	12/07	N/A
56	9/2000	5/06	141540	W36	1/08	N/A
56B	N/A		82992	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation \*\* ESCS power supply being modified

# Layer Site 5 – Mt. Victory 3rd Quarter 2009

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	136098	W36	7/08	10/08
2	136417	W36	8/08	10/08
3	137361	W36	8/08	10/08
4	139506	W36	9/08	10/08
5	140593	W36	9/08	10/08
6	139569	W36	10/08	10/08
7	129975	W36	1/09	10/08
9	141209	W36	11/08	10/08
10	138200	W36	1/09	10/08
11	142521	W36	12/08	10/08
12	138733	W36	1/09	10/08
13	138059	W36	1/09	10/08
14	139265	W36	1/09	10/08
15	124033	W36	2/09	10/08

# Layer Site 6 – Marseilles 3rd Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs
				Implementation
1	141655	W36	4/07	10/08
2	128517	W36	6/07	10/08
3	137997	W36	7/07	10/08
4	143998	W36	8/07	10/08
5	141748	W36	9/07	10/08
6	124300	W36	10/07	10/08
7	142167	W36	11/07	10/08
8	140808	W36	12/08	10/08
9	141112	W36	1/08	10/08
10	144979	W36	2/08	10/08
11	145567	W36	3/08	10/08
12	144054	W36	4/08	10/08
13	143132	W36	5/08	10/08
14	137785	W36	6/08	10/08
15	145106	W36	6/08	10/08
16	131911	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

Compliance Tracker
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Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree – 2nd Quarter 2009 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005

- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)." Also enclosed are revised summaries for 4Q 2008 and 1Q 2009 to correct previously reported layer population.
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities. (vi) Malfunction of power supply units in ESCS in layer barns prompted a force majeure notification to U.S. EPA on March 30, 2009, and the filing of a warranty demand with the ESCS contractor on March 30, 2009. OFE's contractor agreed to proceed with the repair and replacement of the defective or malfunctioning power supply units in the ESCS systems in the layer barns. (vii) An update to the force majeure notification was sent to U.S. EPA on May 7, 2009. Approximately 122 malfunctioning or potentially malfunctioning Acopian power supply units have been refurbished and have been reinstalled in the ESCS in the layer barns during the reporting period. The remaining 30 refurbished Acopian power supply units were received by OFE on July 7, 2009, and have been re-installed in the layer barns.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be

tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Orland Bethel Brian M. Babb, Esq.

# Layer Site 1 – Croton 2<sup>nd</sup> Quarter 2009

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
·	To convert to B/B (Control	For Remodeled B/B (Control			Installation	Implementation
1	Actions) 10/25/03	Actions)	158616	W36	4/08	N/A
3	6/19/04		160269	W36	12/08	N/A
5	10/30/04		161389	W36	2/09	N/A
7	10/30/04	4/13/09	144239.	W36		N/A
9	3/27/04	4/13/09	143721	W36		N/A
11	5/22/04	4/13/09	143974	W36		N/A
13	11/6/04	4/13/09	144648	W36		N/A
13A	N/A		83965	W36	5/08	N/A
2	1/10/04		140619	W36	1/07	N/A
4	9/2000		143083	W36	1/07	N/A
6	9/2000		141286	W36	1/07	N/A
8	4/8/09		0		1/07	N/A
10	4/8/09		0		4/07	N/A
12	5/10/09		0		6/07	N/A
14	5/10/09		0		7/07	N/A
14B	N/A		82749	W36	8/07	N/A

#### Layer Site 2 – Croton 2nd Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W36	(ESCS) Installation	Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

# Layer Site 3 – Croton 2nd Quarter 2009

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		1170/1130	Installation	Control BMPs Implementation
29	9/3/05	:	0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 2nd Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	0			N/A
45	9/2000	8/18/01	0			N/A
47	9/2000	8/25/01	143597	W36	** 10/08	N/A
49	9/2000	9/8/01	0			N/A
51	9/2000	9/15/01	142425	W36	** 11/08	N/A
53	9/2000	16/6/01	141901	W36	** 1/09	N/A
55	2/4/06		0			N/A
55A	N/A		82641	W36	3/08	N/A
44	9/2000	12/3/05	145088	W36	9/07	N/A
46	1/10/04	12/17/05	140496	W36	9/07	N/A
48	2/14/04	12/17/05	146925	W36	9/07	N/A
50	8/4/04	1/12/06	141228	W36	10/07	N/A
52	2/22/04	4/06	141508	W36	11/07	N/A
54	9/2000	5/06	144023	W36	12/07	N/A
56	9/2000	5/06	142901	W36	1/08	N/A
56B	N/A		82020	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

# Layer Site 5 – Mt. Victory 2nd Quarter 2009

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
			Installation	Implementation
1	139102	W36	7/08	10/08
2	139133	W36	8/08	10/08
3	139909	W36	8/08	10/08
4	141287	W36	9/08	10/08
5	142125	W36	9/08	10/08
6	141156	W36	10/08	10/08
7	136616	W36	1/09	10/08
9	142220	W36	11/08	10/08
10	142055	W36	1/09	10/08
11	143825	W36	12/08	10/08
12	140999	W36	1/09	10/08
13	140578	W36	1/09	10/08
14	141177	W36	1/09	10/08
15	138199	W36	2/09	10/08

#### Layer Site 6 – Marseilles 2nd Quarter 2009

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs
				Implementation
1	144921	W36	4/07	10/08
2	132842	W36	6/07	10/08
3	140662	W36	7/07	10/08
4	129436	W36	8/07	10/08
5	144448	W36	9/07	10/08
6	133764	W36	10/07	10/08
7	143962	W36	11/07	10/08
8	135456	W36	12/08	10/08
9	132522	W36	1/08	10/08
10	140030	W36	2/08	10/08
11	143183	W36	3/08	10/08
12	137318	W36	4/08	10/08
13	137310	W36	5/08	10/08
14	140784	W36	6/08	10/08
15	137177	W36	6/08	10/08
16	137041	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

## Layer Site 1 - Croton1st Quarter 2009 - Revised

## Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	(Control Actions)	(Control Actions)		17/26	4/08	N/A
1	10/25/03		161687	W36	**12/08	N/A
3	6/19/04		162874	W36	** 2/09	N/A
<del></del>	10/30/04		162908	W36	2/09	N/A
$-\frac{z}{7}$	10/30/04					N/A
9	3/27/04					N/A
11	5/22/04					N/A
13	11/6/04		0.7.107	W36	5/08	N/A
13A			85427		1/07	N/A
$\frac{1312}{2}$	1/10/04		143972	W36	1/07	N/A
4	9/2000		144822	W36	$\frac{1/07}{1/07}$	N/A
6	9/2000		142716	W36	1/07	N/A
8	9/2000		132180	W36	4/07	N/A
$\frac{0}{10}$	9/2000		140074	W36	6/07	N/A
12	9/2000		137814	W36	7/07	N/A
14	9/2000		138352	W36	8/07	N/A
14B			83583	W36	0.07	

#### Layer Site 2 – Croton 1st Quarter 2009 - Revised Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	(Control	(Control Actions)		-		N/A
15	Actions) 4/16/05		0			N/A
15	6/18/05		0	<u> </u>		N/A
17	1/15/05		0			N/A
19	9/18/04		0	<u> </u>		N/A
$\frac{21}{22}$	2/12/05		0	<u> </u>		N/A
23	3/12/05		0			N/A
<u>25</u>	8/20/05		0			N/A
27			0			N/A
27A	8/20/05		0			N/A
16_	8/20/05		0			N/A
18	6/18/05		0			N/A
20_	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		$\frac{0}{0}$			N/A
26	6/11/05		$\frac{0}{0}$			N/A
28	8/20/05					IN/A
28B	8/20/05		voo in stalletion	and BMP	Implementation	

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 3 – Croton 1st Quarter 2009 - Revised

## Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	Date	Date		1	Installation	Implementation
1	To convert to	For Remodeled B/B		1 1		· · · · · · · · · · · · · · · · · · ·
1	B/B	(Control Actions)				
	(Control Actions)			<del>                                     </del>		N/A
29	9/3/05		0			N/A
$\frac{-31}{31}$	10/16/04		0			N/A
33	9/3/05		0	<u> </u>		N/A
35	9/17/05		0			N/A
37	9/24/05		0	<u> </u>		N/A
39	9/10/05		0			N/A
41	11/20/04		0	<del>- </del>		N/A
41A	10/1/05		0	<del>-</del>		N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0	-		N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			

#### Layer Site 4 – Croton 1st Quarter 2009 - Revised

## Consent Decree 3:03 CV 7681 Update

**		(Attacimient			77 F.O. 41	Ammonia
Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Control BMPs
1	Date	<b>Date</b> For Remodeled B/B			Installation	Implementation
	To convert to B/B	(Control Actions)		1		
	(Control					N/A
	9/2000	8/11/01				N/A
43		8/18/01				
45	9/2000		145070		** 10/08	N/A
47	9/2000	8/25/01	143070			N/A
49	9/2000	9/8/01	140(14		** 11/08	N/A
51	9/2000	9/15/01	143614		** 1/09	N/A
53	9/2000	16/6/01	142879			N/A
55	2/4/06		55002	W36	3/08	N/A
55A			77883		9/07	N/A
	9/2000	12/3/05	147573_	W36	9/07	N/A
44_	1/10/04	12/17/05	147505	W36		N/A
46		12/17/05	148379	W36	9/07	N/A
48_	2/14/04	1/12/06	142877	W36	10/07	N/A
50	8/4/04		200213	W36	11/07	
52	2/22/04	4/06		W36	12/07	N/A
54	9/2000	5/06	145848	W36	1/08	N/A
56	9/2000	5/06	144661		2/08	N/A
			84703	W36		
56B		C 1/ mafloot F	SCS installati	on and BM	P Implementation	

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

## Layer Site 5 – Mt. Victory 1st Quarter 2009 - Revised Consent Decree 3:03 CV 7681 Update

Combone 25 corres	*
* (Attachment A-III Reporting	Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	140639	W36	7/08	10/08
2	140586	W36	8/08	10/08
$\frac{2}{3}$	141099	W36	8/08	10/08
<u></u>	142215	W36	9/08	10/08
<del></del>	142784	W36	9/08	10/08
<del></del> 6	141936	W36	10/08	10/08
$\frac{-0}{7}$	139889	W36	1/09	10/08
9	142956	W36	11/08	10/08
10	144011	W36	1/09	10/08
$\frac{10}{11}$	141011	W36	12/08	10/08
12	141866	W36	1/09	10/08
13	142272	$\frac{W36}{W36}$	1/09	10/08
	142084	$\frac{W36}{W36}$	1/09	10/08
14	129775	W36	2/09	10/08

#### Layer Site 6 – Marseilles 1st Quarter 2009 - Revised Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	132791	W36	4/07	10/08
$-\frac{1}{2}$	136078	W36	6/07	10/08
$-\frac{2}{3}$	143599	W36	7/07	10/08
	142908	W36	8/07	10/08
5	128954	W36	9/07	10/08
$-\frac{3}{6}$	138033	W36	10/07	10/08
7	150055	W36	11/07	10/08
8	144599	W36	12/08	10/08
9	136891	W36	1/08	10/08
10	143419	W36	2/08	10/08
11	145038	W36	3/08	10/08
	141307	W36	4/08	10/08
12	140606	W36	5/08	10/08
13	140000	W36	6/08	10/08
14		W36	6/08	10/08
$\frac{15}{16}$	114364 139390	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

#### Layer Site 1 – Croton 4th Quarter 2008 - Revised

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	Actions) 10/25/03	Actions)	162895	W36	4/08	N/A
3	6/19/04		163920	W36	**12/08	N/A
5	10/30/04		164222	W36	** 2/09	N/A
7	10/30/04		104222	1130		N/A
9	3/27/04					N/A
11	5/22/04					N/A
13	11/6/04					N/A
13A	11,0,0.		87295	W36	5/08	N/A
2	1/10/04		147638	W36	1/07	N/A
4	9/2000		146068	W36	1/07	N/A
6	9/2000		134796	W36	1/07	N/A
8	9/2000		141153	W36	1/07	N/A
10	9/2000		145280	W36	4/07	N/A
12	9/2000		141924	W36	6/07	N/A
14	9/2000		141824	W36	7/07	N/A
14B			84678	W36	8/07	N/A

#### Layer Site 2 – Croton 4th Quarter 2008 - Revised

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
- 1 ~	Actions)		0			N/A
15	4/16/05		0			N/A
17	6/18/05					N/A
19	1/15/05		0			N/A
21	9/18/04		0			
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
$\frac{10}{18}$	6/18/05		0			N/A
	8/20/05		1 0			N/A
$\frac{20}{22}$			0	+		N/A
22	3/5/05		0			N/A
24	8/20/05			-		N/A
26	6/11/05		0			N/A
28	8/20/05		0			
28B	8/20/05	14 God ESC	0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 3 – Croton 4th Quarter 2008 - Revised

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 4th Quarter 2008 - Revised

Consent Decree 3:03 CV 7681 Update

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date	Date		W98/W36	(ESCS)	Control BMPs
	To convert to	For Remodeled B/B			Installation	Implementation
	B/B (Control	(Control Actions)				
	Actions)					2011
43	9/2000	8/11/01				N/A
45	9/2000	8/18/01				N/A
47	9/2000	8/25/01			** 10/08	N/A
49	9/2000	9/8/01				N/A
51	9/2000	9/15/01			** 11/08	N/A
53	9/2000	16/6/01			** 1/09	N/A
55	2/4/06					N/A
55A	2/ 1/ 0		81279	W36	3/08	N/A
44	9/2000	12/3/05	149848	W36	9/07	N/A
46	1/10/04	12/17/05	149586	W36	9/07	N/A
$\frac{-40}{48}$	2/14/04	12/17/05	151020	W36	9/07	N/A
50	8/4/04	1/12/06	145582	W36	10/07	N/A
52	2/22/04	4/06	144648	W36	11/07	N/A
	<u> </u>	5/06	154883	W36	12/07	N/A
54	9/2000			W36	1/08	N/A
56_	9/2000	5/06	155939		2/08	N/A
56B			86351	W36	Implementation	IV/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 4th Quarter 2008 - Revised

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs
				Implementation
1	142132	W36	7/08	10/08
2	142135	W36	8/08	10/08
3	142416	W36	8/08	10/08
4	143254	W36	9/08	10/08
5	143676	W36	9/08	10/08
6	143137	W36	10/08	10/08
7	142695	W36	1/09	10/08
9	143786		11/08	10/08
10	146503	W36	1/09	10/08
11	143766	W36	12/08	10/08
12	142936	W36	1/09	10/08
13	138417	W36	1/09	10/08
14	143712	W36	1/09	10/08
15	131486	W36	2/09	10/08

#### Layer Site 6 – Marseilles 4th Quarter 2008 – Revised Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	140714	W36	4/07	10/08
2	139383	W36	6/07	10/08
3	137671	W36	7/07	10/08
4	146307	W36	8/07	10/08
5	138369	W36	9/07	10/08
6	143168	W36	10/07	10/08
7	141148	W36	11/07	10/08
8	143280	W36	12/08	10/08
9	140682	W36	1/08	10/08
10	147128	W36	2/08	10/08
11	147475	W36	3/08	10/08
12	144716	W36	4/08	10/08
13	143666	W36	5/08	10/08
14	144416	W36	6/08	10/08
15	117092	W36	6/08	10/08
16	141525	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460



RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 3rd Quarter 2012 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

/ Joe Laften General Manager

## Layer Site 1 – Croton 3rd Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W 28/ W 30	(ESCS) Installation	Control BMPs Implementation
1	10/25/03	9-6-08	164,029	W36	4/08	N/A
3	6/19/04	9-25-08	128,673	W36	12/08	N/A
5	10/30/04	10-22-08	137,357	W36	2/09	N/A
7	10/30/04	4/13/09	152,324	W36	11/09	N/A
9	3/27/04	4/13/09	159,438	W36	11/09	N/A
11	5/22/04	4/13/09	114,107	W36	11/09	N/A
13	11/6/04	4/13/09	163,179	W36	11/09	N/A
13A	N/A		63,608	W36	5/08	N/A
2	1/10/04	7/18/09	131,338	W36	1/07	N/A
4	9/2000	1/15/2001	133,554	W36	1/07	N/A
6	9/2000	1-15-2001	134,521	W36	1/07	N/A
8	4/8/09	8/7/2010	130,704	W36	1/07	N/A
10	4/8/09	8/14/2010	137,797	W36	4/07	N/A
12	5/10/09	9/11/2010	125,139	W36	6/07	N/A
14	5/10/09	9/11/2010	163,809	W36	7/07	N/A
14B	N/A		72,299	W36	8/07	N/A

## Layer Site 2 – Croton 3rd Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

## Layer Site 3 – Croton 3rd Quarter 2012

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			Installation	Implementation
29	9/3/05	9/20/12	121,470	W36		N/A
31	10/16/04	9/15/12	150,797	W36		N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05	9/26/12	83,766	W36		N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0		· · · · · · · · · · · · · · · · · · ·	N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05	9/29/12	83,811	W36		N/A

## Layer Site 4 – Croton 3rd Quarter 2012

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)			Installation	Control BMPs Implementation
43	9/2000	8/11/01	127,437	W36	11/09	N/A
45	9/2000	8/18/01	128,337	W36	11/09	N/A
47	9/2000	8/25/01	130,908	W36	10/08	N/A
49	9/2000	9/8/01	132,513	W36	11/09	N/A
51	9/2000	9/15/01	135,775	W36	11/08	N/A
53	9/2000	16/6/01	124,300	W36	1/09	N/A
55	2/4/06	4/24/10	122,107	W36	11/09	N/A
55A	N/A		82,265	W36	3/08	N/A
44	9/2000	12/3/05	149,431	W36	9/07	N/A
46	1/10/04	12/17/05	142,803	W36	9/07	N/A
48	2/14/04	12/17/05	118,295	W36	9/07	N/A
50	8/4/04	1/12/06	141,226	W36	10/07	N/A
52	2/22/04	4/06	164,262	W36	11/07	N/A
54	9/2000	5/06	158,970	W36	12/07	N/A
56	9/2000	5/06	151,683	W36	1/08	N/A
56B	N/A		83,758	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

\*\* ESCS power supply being modified

## Layer Site 5 – Mt. Victory 3rd Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	103,282	W36	7/08	10/08
2	113,437	W36	8/08	10/08
3	102,803	W36	8/08	10/08
4	119,066	W36	9/08	10/08
5	122,301	W36	9/08	10/08
6	113,711	W36	10/08	10/08
7	119,735	W36	1/09	10/08
9	108,059	W36	11/08	10/08
10	105,919	W36	1/09	10/08
11	140,389	W36	12/08	10/08
12	105,190	W36	1/09	10/08
13	121,524	W36	1/09	10/08
14	111,495	W36	1/09	10/08
15	107,149	W36	2/09	10/08

#### Layer Site 6 – Marseilles 3rd Quarter 2012 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	129,295	W36	4/07	10/08
2	110,107	W36	6/07	10/08
3	75,679	W36	7/07	10/08
4	91,900	W36	8/07	10/08
5	127,374	W36	9/07	10/08
6	129,857	W36	10/07	10/08
7	133,679	W36	11/07	10/08
8	128,959	W36	12/08	10/08
9	119,668	W36	1/08	10/08
10	142,172	W36	2/08	10/08
11	144,752	W36	3/08	10/08
12	144,573	W36	4/08	10/08
13	142,712	W36	5/08	10/08
14	120,188	W36	6/08	10/08
15	144,060	W36	6/08	10/08
16	129,281	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



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Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree 2nd Quarter 2012 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Laver Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs andenhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

Joe Laffoon General Manager

# Layer Site 1 – Croton 2 nd Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date	Date		W98/W36	(ESCS)	Control BMPs
	To convert to B/B	For Remodeled B/B			Installation	Implementation
	(Control Actions)	(Control Actions)				
1	10/25/03	9-6-08	145,092	W36	4/08	N/A
3	6/19/04	9-25-08	136,566	W36	12/08	N/A
5	10/30/04	10-22-08	144,768	W36	2/09	N/A
7	10/30/04	4/13/09	161,757	W36	11/09	N/A
9	3/27/04	4/13/09	0	W36	11/09	N/A
11	5/22/04	4/13/09	120,529	W36	11/09	N/A
13	11/6/04	4/13/09	118,243	W36	11/09	N/A
13A	N/A		68,347	W36	5/08	N/A
2	1/10/04	7/18/09	137,438	W36	1/07	N/A
4	9/2000	1/15/2001	138,805	W36	1/07	N/A
6	9/2000	1-15-2001	141,201	W36	1/07	N/A
8	4/8/09	8/7/2010	140,513	W36	1/07	N/A
10	4/8/09	8/14/2010	144,267	W36	4/07	N/A
12	5/10/09	9/11/2010	133,831	W36	6/07	N/A
14	5/10/09	9/11/2010	112,745	W36	7/07	N/A
14B	N/A		76,787	W36	8/07	N/A

## Layer Site 2 – Croton 2nd Quarter 2012

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0		****	N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

# Layer Site 3 – Croton 2nd Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

## Layer Site 4 – Croton 2nd Quarter 2012

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	133,290	W36	11/09	N/A
45	9/2000	8/18/01	133,206	W36	11/09	N/A
47	9/2000	8/25/01	135,961	W36	10/08	N/A
49	9/2000	9/8/01	137,326	W36	11/09	N/A
51	9/2000	9/15/01	141,691	W36	11/08	N/A
53	9/2000	16/6/01	131,408	W36	1/09	N/A
55	2/4/06	4/24/10	153,400	W36	11/09	N/A
55A	N/A		56,958	W36	3/08	N/A
44	9/2000	12/3/05	117,909	W36	9/07	N/A
46	1/10/04	12/17/05	125,066	W36	9/07	N/A
48	2/14/04	12/17/05	124,735	W36	9/07	N/A
50	8/4/04	1/12/06	144,416	W36	10/07	N/A
52	2/22/04	4/06	103,487	W36	11/07	N/A
54	9/2000	5/06	164,151	W36	12/07	N/A
56	9/2000	5/06	157,113	W36	1/08	N/A
56B	N/A		64,186	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

# Layer Site 5 – Mt. Victory 2<sup>nd</sup> Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
			Installation	Implementation
1	122,230	W36	7/08	10/08
2	123,692	W36	8/08	10/08
3	127,862	W36	8/08	10/08
4	129,430	W36	9/08	10/08
5	134,460	W36	9/08	10/08
6	129,540	W36	10/08	10/08
7	116,027	W36	1/09	10/08
9	128,446	W36	11/08	10/08
10	124,018	W36	1/09	10/08
11	121,734	W36	12/08	10/08
12	128,687	W36	1/09	10/08
13	136,880	W36	1/09	10/08
14	128,133	W36	1/09	10/08
15	123,735	W36	2/09	10/08

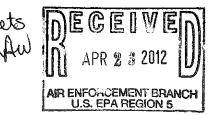
#### Layer Site 6 – Marseilles 2nd Quarter 2012 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	131,049	W36	4/07	10/08
2	118,609	W36	6/07	10/08
3	143,374	W36	7/07	10/08
4	135,618	W36	8/07	10/08
5	123,804	W36	9/07	10/08
6	141,352	W36	10/07	10/08
7	0	W36	11/07	10/08
8	98,342	W36	12/08	10/08
9	133,044	W36	1/08	10/08
10	131,121	W36	2/08	10/08
11	141,832	W36	3/08	10/08
12	143,315	W36	4/08	10/08
13	144,246	W36	5/08	10/08
14	145,012	W36	6/08	10/08
15	145,544	W36	6/08	10/08
16	145,543	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



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Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree 1st Quarter 2012 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1st quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3rd quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

#### Layer Site 1 – Croton 1st Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			Installation	Implementation
1	10/25/03	9-6-08	149,208	W36	4/08	N/A
3	6/19/04	9-25-08	147,254	W36	12/08	N/A
5	10/30/04	10-22-08	149,124	W36	2/09	N/A
7	10/30/04	4/13/09	121,833	W36	11/09	N/A
9	3/27/04	4/13/09	121,810	W36	11/09	N/A
11	5/22/04	4/13/09	123,957	W36	11/09	N/A
13	11/6/04	4/13/09	124,306		11/09	N/A
13A	N/A		71,384	W36	5/08	N/A
2	1/10/04	7/18/09	142,333	W36	1/07	N/A
4	9/2000	1/15/2001	141,729	W36	1/07	N/A
6	9/2000	1-15-2001	100,020	W36	1/07	N/A
8	4/8/09	8/7/2010	143,120	W36	1/07	N/A
10	4/8/09	8/14/2010	121,208	W36	4/07	N/A
12	5/10/09	9/11/2010	138,069	W36	6/07	N/A
14	5/10/09	9/11/2010	119,024	W36	7/07	N/A
14B	N/A		81,549	W36	8/07	N/A

#### Layer Site 2 – Croton 1st Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 1st Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 1st Quarter 2012

Consent Decree 3:03 CV 7681 Update

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W36	(ESCS) Installation	Control BMPs Implementation
43	9/2000	8/11/01	136,340	W36	11/09	N/A
45	9/2000	8/18/01	138,888	W36	11/09	N/A
47	9/2000	8/25/01	138,793	W36	10/08	N/A
49	9/2000	9/8/01	139,717	W36	11/09	N/A
51	9/2000	9/15/01	143,382	W36	11/08	N/A
53	9/2000	16/6/01	134,785	W36	1/09	N/A
55	2/4/06	4/24/10	157,007	W36	11/09	N/A
55A	N/A		60,046	W36	3/08	N/A
44	9/2000	12/3/05	121,574	W36	9/07	N/A
46	1/10/04	12/17/05	129,520	W36	9/07	N/A
48	2/14/04	12/17/05	128,688	W36	9/07	N/A
50	8/4/04	1/12/06	130,846	W36	10/07	N/A
52	2/22/04	4/06	106,611	W36	11/07	N/A
54	9/2000	5/06	134,248	W36	12/07	N/A
56	9/2000	5/06	160,810	W36	1/08	N/A
56B	N/A		67,081	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

## Layer Site 5 – Mt. Victory 1<sup>st</sup> Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
			Installation	Implementation
1	128,132	W36	7/08	10/08
2	128,876	W36	8/08	10/08
3	132,413	W36	8/08	10/08
4	133,498	W36	9/08	10/08
5	137,921	W36	9/08	10/08
6	134,035	W36	10/08	10/08
7	121,635	W36	1/09	10/08
9	132,886	W36	11/08	10/08
10	127,413	W36	1/09	10/08
11	125,750	W36	12/08	10/08
12	133,167	W36	1/09	10/08
13	140,197	W36	1/09	10/08
14	132,762	W36	1/09	10/08
15	129,825	W36	2/09	10/08

#### Layer Site 6 – Marseilles 1st Quarter 2012

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia
		1170/1130	(ESCS Installation)	Control BMPs Implementation
1	134,440	W36	4/07	10/08
2	120,903	W36	6/07	10/08
3	120,505	,,,,,,	7/07	10/08
4	138,841	W36	8/07	10/08
5	126,586	W36	9/07	10/08
6	146,246	W36	10/07	10/08
7	120,800	W36	11/07	10/08
8	118,802	W36	12/08	10/08
9	136,000	W36	1/08	10/08
10	133,394	W36	2/08	10/08
11	123,209	W36	3/08	10/08
12	144,573	W36	4/08	10/08
13	112,243	W36	5/08	10/08
14			6/08	10/08
15			6/08	10/08
16			7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

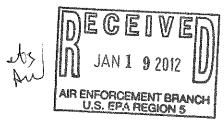
diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

General Manager



Compliance Tracker Air Enforcement and Compliance Assurance Branch U.S. Environmental protection Agency Region 5, AE-17J 77 West Jackson Boulevard Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree 4th Quarter 2011 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

- PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved

- PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved

BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

Joe Largoon General Manager

# Layer Site 1 – Croton 4<sup>th</sup> Quarter 2011 Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control	Ammonia Control BMPs
	Date	Date		W98/W30	(ESCS)	
Į	To convert	For Remodeled			Installation	<b>Implementation</b>
	to B/B	B/B		ļ		
	(Control Actions)	(Control Actions)			<u></u>	
1	10/25/03	9-6-08	152707	W36	4/08	N/A
3	6/19/04	9-25-08	150854	W36	12/08	N/A
<u></u>	10/30/04	10-22-08	153154	W36	2/09	N/A
$\frac{3}{7}$	10/30/04	4/13/09	127791	W36	11/09	N/A
9	3/27/04	4/13/09	127364	W36	11/09	N/A
11	5/22/04	4/13/09	127921	W36	11/09	N/A
13	11/6/04	4/13/09	129767	W36	11/09	N/A
13A	N/A	1713703	74561	W36	5/08	N/A
2	1/10/04	7/18/09		W36	1/07	N/A
4	9/2000	1/15/2001	103726	W36	1/07	N/A
6	9/2000	1-15-2001	119505	W36	1/07	N/A
$\frac{6}{8}$	4/8/09	8/7/2010	129838	W36	1/07	N/A
10	4/8/09	8/14/2010	125079	W36	4/07	N/A
12	5/10/09	9/11/2010	142280	W36	6/07	N/A
$\frac{12}{14}$	5/10/09	9/11/2010	123651	W36	7/07	N/A
14B	N/A	7/11/2010	42000	W36	8/07	N/A

#### Layer Site 2 – Croton 4th Quarter 2011

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

lo	osure	Reopening	Population	Breed	PM Control (ESCS)	Ammonia Control BMPs
D	ate	Date		W 96/ W 30	Installation	Implementation
	onvert to	For Remodeled B/B	l I		Instantion	Implementation
	B/B 'ontro!	(Control Actions)				
	ctions)	(Common results)		<u> </u>		N/A
/1	16/05		0	<u> </u>		N/A
/]	18/05		0			N/A
_	15/05		0			N/A N/A
	18/04		0			
	12/05		0			N/A
			0			N/A
	12/05		0	<del>                                     </del>		N/A
	20/05			+		N/A
	20/05		0			N/A
3/	/20/05		0	<del> </del>		N/A
5/	/18/05		00			N/A
3/	/20/05		0	_		N/A
3	3/5/05		0			N/A
		-	0			N/A
			0			
			0			N/A
						N/A
6, 8,	/20/05 /11/05 /20/05 s/20/05	QTG	0 0	and RMP I	mplementation	

\* (j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 4th Quarter 2011

## Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0	<u> </u>		N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A .
41A	10/1/05		0			N/A
30	9/10/05		0		·	N/A
32	10/1/05		0			N/A
34	9/24/05		<del></del> 0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
	10/9/04		$\frac{1}{0}$			N/A
40	10/9/04		1 0			N/A
42 42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 4th Quarter 2011

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
- 10	Actions)	8/11/01	139441	W36	11/09	N/A
43	9/2000 9/2000	8/18/01	141586	W36	11/09	N/A
45	9/2000	8/25/01	111300	W36	10/08	N/A
47 49	9/2000	9/8/01	142135	W36	11/09	N/A
51	9/2000	9/15/01		W36	11/08	N/A
53	9/2000	16/6/01	137874	W36	1/09	N/A
<u></u>	2/4/06	4/24/10	163006	W36	11/09	N/A
 55A	N/A	112 (110	62925	W36	3/08	N/A
	9/2000	12/3/05	125699	W36	9/07	N/A
44	1/10/04	12/17/05	132670	W36	9/07	N/A
46	2/14/04	12/17/05	132065	W36	9/07	N/A
48	8/4/04	1/12/06	134307	W36	10/07	N/A
50		4/06	110701	W36	11/07	N/A
52	2/22/04	5/06	138925	W36	12/07	N/A
54	9/2000	5/06	162717	W36	1/08	N/A
56 56B	9/2000 N/A	3/00	70046	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 4th Quarter 2011

## Consent Decree 3:03 CV 7681 Update

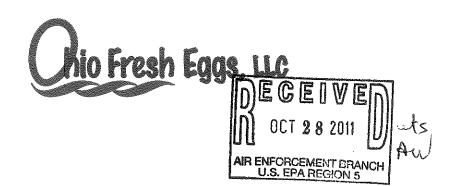
\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	132062	W36	7/08	10/08
2	132638	W36	8/08	10/08
3	136607	W36	8/08	10/08
4	138530	W36	9/08	10/08
5	141407	W36	9/08	10/08
6	138102	W36	10/08	10/08
7	126649	W36	1/09	10/08
9	137251	W36	11/08	10/08
10	131896	W36	1/09	10/08
11	130346	W36	12/08	10/08
12	136782	W36	1/09	10/08
13	142818	W36	1/09	10/08
14	137199	W36	1/09	10/08
15	134720	W36	2/09	10/08

#### Layer Site 6 – Marseilles 4th Quarter 2011 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed	PM Control	Ammonia
		W98/W36	(ESCS Installation)	Control BMPs
	{			Implementation
1	141603	W36	4/07	10/08
2		W36	6/07	10/08
3	124871	W36	7/07	10/08
4	142217	W36	8/07	10/08
5	130767	W36	9/07	10/08
6	151113	W36	10/07	10/08
7	123987	W36	11/07	10/08
8	122475	W36	12/08	10/08
9	107594	W36	1/08	10/08
10	135171	W36	2/08	10/08
11		W36	3/08	10/08
12		W36	4/08	10/08
13	124855	W36	5/08	10/08
14		W36	6/08	10/08
15		W36	6/08	10/08
16		W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 3rd Quarter 2011 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

- PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved

BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

Joë Laffdøn / General Manage

# Layer Site 1 – Croton 3rd Quarter 2011

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date	Date		W98/W36	(ESCS)	Control BMPs
	To convert	For Remodeled			Installation	Implementation
	to B/B (Control	B/B (Control				
	Actions)	Actions)				
1	10/25/03	9-6-08	155,705	W36	4/08	N/A
3	6/19/04	9-25-08	153,874	W36	12/08	N/A
5	10/30/04	10-22-08	156,845	W36	2/09	N/A
7	10/30/04	4/13/09	132,369	W36	11/09	N/A
9	3/27/04	4/13/09	127,079	W36	11/09	N/A
11	5/22/04	4/13/09	109,337	W36	11/09	N/A
13	11/6/04	4/13/09	134,904	W36	11/09	N/A
13A	N/A		76,624	W36	5/08	N/A
2	1/10/04	7/18/09	128,902	W36	1/07	N/A
4	9/2000	1/15/2001	129,111	W36	1/07	N/A
6	9/2000	1-15-2001	126,659	W36	1/07	N/A
8	4/8/09	8/7/2010	133,018	W36	1/07	N/A
10	4/8/09	8/14/2010	128,770	W36	4/07	N/A
12	5/10/09	9/11/2010	147,493	W36	6/07	N/A
14	5/10/09	9/11/2010	129,070	W36	7/07	N/A
14B	N/A		74,049	W36	8/07	N/A

# Layer Site 2 – Croton 3rd Quarter 2011

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
$\frac{28}{28}$	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 2nd Quarter 2011

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B	For Remodeled B/B (Control Actions)			Installation	Implementation
	(Control Actions)					
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

## Layer Site 4 – Croton 2nd Quarter 2011

## Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	126,545	W36	11/09	N/A
45	9/2000	8/18/01	128,349	W36	11/09	N/A
47	9/2000	8/25/01	131,612	W36	10/08	N/A
49	9/2000	9/8/01	123,701	W36	11/09	N/A
51	9/2000	9/15/01	128,789	W36	11/08	N/A
53	9/2000	16/6/01	126,864	W36	1/09	N/A
55	2/4/06	4/24/10	131,927	W36	11/09	N/A
55A	N/A		70,421	W36	3/08	N/A
44	9/2000	12/3/05	133,509	W36	9/07	N/A
46	1/10/04	12/17/05	139,846	W36	9/07	N/A
48	2/14/04	12/17/05	159,783	W36	9/07	N/A
50	8/4/04	1/12/06	138,508	W36	10/07	N/A
52	2/22/04	4/06	118,926	W36	11/07	N/A
54	9/2000	5/06	151,932	W36	12/07	N/A
56	9/2000	5/06	148,700	W36	1/08	N/A
56B	N/A		78,064	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

## Layer Site 5 – Mt. Victory 3rd Quarter 2011

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	135,723	W36	7/08	10/08
1 2	136,560	W36	8/08	10/08
3	140,301	W36	8/08	10/08
<u> </u>	143,070	W36	9/08	10/08
5	42,816	W36	9/08	10/08
6	141,587	W36	10/08	10/08
7	130,443	W36	1/09	10/08
9	141,039	W36	11/08	10/08
10	134,623	W36	1/09	10/08
11	133,726	W36	12/08	10/08
12	139,931	W36	1/09	10/08
13	126,646	W36	1/09	10/08
14	141,196	W36	1/09	10/08
15	138,407	W36	2/09	10/08

### Layer Site 6 – Marseilles 3rd Quarter 2011

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed	PM Control	Ammonia
	_	W98/W36	(ESCS Installation)	Control BMPs
				Implementation
1	144,355	W36	4/07	10/08
2	130,719	W36	6/07	10/08
3	130,708	W36	7/07	10/08
4	0	W36	8/07	10/08
5	134,952	W36	9/07	10/08
6	155,810	W36	10/07	10/08
7	130,032	W36	11/07	10/08
8	131,112	W36	12/08	10/08
9	0	W36	1/08	10/08
10	0	W36	2/08	10/08
11	0	W36	3/08	10/08
12	0	W36	4/08	10/08
13	0	W36	5/08	10/08
14	0	W36	6/08	10/08
15	0	W36	6/08	10/08
16	0	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



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77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 2nd Quarter 2011 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

- PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved

BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

Joe Laffoon

General Manager

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

## Layer Site 1 – Croton 2nd Quarter 2011

## Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control	Ammonia Control BMPs
	Date	Date	!	W98/W30	(ESCS)	
	To convert	For Remodeled		 	Installation	Implementation
	to B/B	B/B				
	(Control Actions)	(Control Actions)		1 1		
1	10/25/03	9-6-08	160,568	W36	4/08	N/A
3	6/19/04	9-25-08	96,905	W36	12/08	N/A
<u></u>	10/30/04	10-22-08	27,8000	W36	2/09	N/A
$-\frac{3}{7}$	10/30/04	4/13/09	135,879	W36	11/09	N/A
9	3/27/04	4/13/09	131,143	W36	11/09	N/A
$\frac{1}{11}$	5/22/04	4/13/09	113,430	W36	11/09	N/A
13	11/6/04	4/13/09	139,026	W36	11/09	N/A
13A	N/A		79,227	W36	5/08	N/A
2	1/10/04	7/18/09	133,817	W36	1/07	N/A
4	9/2000	1/15/2001	134,111	W36	1/07	N/A
6	9/2000	1-15-2001	134,201	W36	1/07	N/A
$\frac{3}{8}$	4/8/09	8/7/2010	136,676	W36	1/07	N/A
$\frac{3}{10}$	4/8/09	8/14/2010	132,308	W36	4/07	N/A
12	5/10/09	9/11/2010	152,810	W36	6/07	N/A
$\frac{12}{14}$	5/10/09	9/11/2010	133,849	W36	7/07	N/A
14B	N/A		77,477	W36	8/07	N/A

# Layer Site 2 – Croton 2nd Quarter 2011

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1.5	Actions) 4/16/05		0			N/A
15			0			N/A
17	6/18/05		0	<del> </del>		N/A
19	1/15/05			<del>                                     </del>		N/A
21	9/18/04		0	-		N/A
23	2/12/05	_	0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A N/A
27A	8/20/05		0			
16	8/20/05		0			N/A
18	6/18/05		0		·	N/A
$\frac{18}{20}$	8/20/05		0		· · · · · · · · · · · · · · · · · · ·	N/A
	3/5/05		0	-		N/A
22			0			N/A
24	8/20/05		0			N/A
26	6/11/05					N/A
28	8/20/05		0			N/A
28B	8/20/05	d to reflect ESC	0			

\* (j) and (k) modified to reflect ESCS installation and BMP Implementation

## Layer Site 3 – Croton 2nd Quarter 2011

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	(Control Actions)					N/A
29	9/3/05		0	<u></u>		
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0	<u></u>		N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0		·	N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
$\frac{30}{32}$	10/1/05		0			N/A
	9/24/05		0			N/A
34	12/4/05		0	-		N/A
36			0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42_	10/1/05					N/A
42B	10/1/05	<u> </u>	0		<u> </u>	

#### Layer Site 4 – Croton 2nd Quarter 2011

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	Date	Date For Remodeled B/B		W98/W30	Installation	Implementation
	To convert to B/B	(Control Actions)				in promotion in
	(Control Actions)	•				
43	9/2000	8/11/01	126,545	W36	11/09	N/A
45	9/2000	8/18/01	128,349	W36	11/09	N/A
47	9/2000	8/25/01	131,612	W36	10/08	N/A
49	9/2000	9/8/01	123,701	W36	11/09	N/A
51	9/2000	9/15/01	128,789	W36	11/08	N/A
53	9/2000	16/6/01	126,864	W36	1/09	N/A
55	2/4/06	4/24/10	131,927	W36	11/09	N/A
55A	N/A		70,421	W36	3/08	N/A
44	9/2000	12/3/05	133,509	W36	9/07	N/A
46	1/10/04	12/17/05	139,846	W36	9/07	N/A
48	2/14/04	12/17/05	159,783	W36	9/07	N/A
50	8/4/04	1/12/06	138,508	W36	10/07	N/A
52	2/22/04	4/06	118,926	W36	11/07	N/A
	9/2000	5/06	151,932	W36	12/07	N/A
54	9/2000	.5/06	148,700	W36	1/08	N/A
56 56B	9/2000 N/A	.5/00	78,064	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

\*\* ESCS power supply being modified

# Layer Site 5 – Mt. Victory 2nd Quarter 2011

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	139,770	W36	7/08	10/08
2	102,824	W36	8/08	10/08
3	143,905	W36	8/08	10/08
4	0	W36	9/08	10/08
5	125,088	W36	9/08	10/08
6	0	W36	10/08	10/08
7	134,186	W36	1/09	10/08
9	32,732	W36	11/08	10/08
10	139,549	W36	1/09	10/08
11	137,209	W36	12/08	10/08
12	143,331	W36	1/09	10/08
13	132,690	W36	1/09	10/08
14	0	W36	1/09	10/08
15	141,158	W36	2/09	10/08

#### Layer Site 6 – Marseilles 2nd Quarter 2011

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs
				Implementation
1	0	W36	4/07	10/08
2	139,653	W36	6/07	10/08
3	134,356	W36	7/07	10/08
4	0	W36	8/07	10/08
5	140,646	W36	9/07	10/08
6	167,107	W36	10/07	10/08
7	137,536	W36	11/07	10/08
8	136,624	W36	12/08	10/08
9	0	W36	1/08	10/08
10	0	W36	2/08	10/08
11	1 0	W36	3/08	10/08
12	0	W36	4/08	10/08
$\frac{12}{13}$	0	W36	5/08	10/08
14	0	W36	6/08	10/08
15	0	W36	6/08	10/08
16	0	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

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Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 1st Quarter 2011 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

#### Layer Site 1 – Croton 1st Quarter 2011

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date	Date		W98/W36	(ESCS)	Control BMPs
	To convert to B/B	For Remodeled B/B			Installation	Implementation
	(Control	(Control		ļ		
	Actions)	Actions)				27/4
1	10/25/03	9-6-08	0	W36	4/08	N/A
3	6/19/04	9-25-08	0	W36	12/08	N/A
5	10/30/04	10-22-08	148197	W36	2/09	N/A
7	10/30/04	4/13/09	138175	W36	11/09	N/A
9	3/27/04	4/13/09	136060	W36	11/09	N/A
11	5/22/04	4/13/09	115646	W36	11/09	N/A
13	11/6/04	4/13/09	141395	W36	11/09	N/A
13A	N/A		80322	W36	5/08	N/A
2	1/10/04	7/18/09	136840		1/07	N/A
4	9/2000	1/15/2001	136348		1/07	N/A
6	9/2000	1-15-2001	136837	W36	1/07	N/A
8	4/8/09	8/7/2010	138560		1/07	N/A
10	4/8/09	8/14/2010	139150		4/07	N/A
12	5/10/09	9/11/2010	154828		6/07	N/A
14	5/10/09	9/11/2010	136424		7/07	N/A
14B	N/A		78685		8/07	N/A

#### Layer Site 2 – Croton 1st Quarter 2011

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed w98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 1st Quarter 2011

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B	For Remodeled B/B (Control Actions)			Installation	Implementation
	(Control Actions)					
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		. 0			N/A

#### Layer Site 4 – Croton 1st Quarter 2011

### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	129327	W36	11/09	N/A
45	9/2000	8/18/01	132345	W36	11/09	N/A
47	9/2000	8/25/01	134793	W36	10/08	N/A
49	9/2000	9/8/01	128685	W36	11/09	N/A
51	9/2000	9/15/01	131972	W36	11/08	N/A
53	9/2000	16/6/01	130498	W36	1/09	N/A
55	2/4/06	4/24/10	134856	W36	11/09	N/A
55A	N/A		72006	W36	3/08	N/A
44	9/2000	12/3/05	135848	W36	9/07	N/A
46	1/10/04	12/17/05	106706	W36	9/07	N/A
48	2/14/04	12/17/05	161986	W36	9/07	N/A
50	8/4/04	1/12/06	141049	W36	10/07	N/A
52	2/22/04	4/06	138588	W36	11/07	N/A
54	9/2000	5/06	155075	W36	12/07	N/A
56	9/2000	5/06	152630	W36	1/08	N/A
56B	N/A		80037	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 1<sup>st</sup> Quarter 2011

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	142310	W36	7/08	10/08
2	0	W36	8/08	10/08
3	129636	W36	8/08	10/08
4	128686	W36	9/08	10/08
5	129879	W36	9/08	10/08
6	128904	W36	10/08	10/08
7	136218	W36	1/09	10/08
9	124050	W36	11/08	10/08
10	142015	W36	1/09	10/08
11	139608	W36	12/08	10/08
12	0	W36	1/09	10/08
13	136066	W36	1/09	10/08
14	129524	W36	1/09	10/08
15	144118	W36	2/09	10/08

# Layer Site 6 – Marseilles 1st Quarter 2011

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs
				Implementation
1	0	W36	4/07	10/08
2	0	W36	6/07	10/08
3	137272	W36	7/07	10/08
4	0	W36	8/07	10/08
5	142892	W36	9/07	10/08
6	0	W36	10/07	10/08
7	140038	W36	11/07	10/08
8	139170	W36	12/08	10/08
9	0	W36	1/08	10/08
10	0	W36	2/08	10/08
11	0	W36	3/08	10/08
12	0	W36	4/08	10/08
13	141726	W36	5/08	10/08
14	0	W36	6/08	10/08
15	0	W36	6/08	10/08
16	0	W36	7/08	10/08

 $<sup>\</sup>ast$  (j) and (k) modified to reflect ESCS installation and BMP implementation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree – 4<sup>th</sup> Quarter 2010 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).

- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
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- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1st quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber

diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Ohio Fresh Eggs, LLC

John Glessner CEO

CC: Mr. Donald Hershey Mr. Orland Bethel Brian M. Babb, Esq.

#### Layer Site 1 – Croton 4th Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

]	Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
		Date	Date	_	W98/W36	(ESCS)	Control BMPs
		To convert to B/B	For Remodeled B/B			Installation	Implementation
		(Control Actions)	(Control Actions)				
	1	10/25/03	9-6-08	154,142	W36	4/08	N/A
	3	6/19/04	9-25-08	142,179	W36	12/08	N/A
	5	10/30/04	10-22-08	155,369	W36	2/09	N/A
	7	10/30/04	4/13/09	141,524	W36	11/09	N/A
3-	9	3/27/04	4/13/09	138,398	W36	11/09	N/A
	11	5/22/04	4/13/09	0	W36	11/09	N/A
	13	11/6/04	4/13/09	144,677	W36	11/09	N/A
	13A	N/A		0	W36	5/08	N/A
	2	1/10/04	7/18/09	140,339		1/07	N/A
	4	9/2000	1/15/2001	139,480		1/07	N/A
	6	9/2000	1-15-2001	140,980	W36	1/07	N/A
	8	4/8/09	8/7/2010	141,391		1/07	N/A
	10	4/8/09	8/14/2010	141,559		4/07	N/A
	12	5/10/09	9/11/2010	161,519		6/07	N/A
	14	5/10/09	9/11/2010	13,991		7/07	N/A
	14B	N/A		80,422		8/07	N/A

#### Layer Site 2 – Croton 4th Quarter 2010

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 4th Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05		0			N/A
31	10/16/04		0			N/A
33	9/3/05		0			N/A
35	9/17/05		0			N/A
37	9/24/05		0			N/A
39	9/10/05		0			N/A
41	11/20/04		0			N/A
41A	10/1/05		0			N/A
30	9/10/05		0			N/A
32	10/1/05		0			N/A
34	9/24/05		0			N/A
36	12/4/05		0			N/A
38	9/10/05		0			N/A
40	10/9/04		0			N/A
42	10/1/05		0			N/A
42B	10/1/05		0			N/A

#### Layer Site 4 – Croton 4th Quarter 2010

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	B/B (Control Actions)	(Control Actions)				_
43	9/2000	8/11/01	139,428	W36	11/09	N/A
45	9/2000	8/18/01	140,473	W36	11/09	' N/A
47	9/2000	8/25/01	140,783	W36	10/08	N/A
49	9/2000	9/8/01	135,709	W36	11/09	N/A
51	9/2000	9/15/01	138,682	W36	11/08	N/A
53	9/2000	16/6/01	137,299	W36	1/09	N/A
55	2/4/06	4/24/10	139,881	W36	11/09	N/A
55A	N/A		74,392	W36	3/08	N/A
44	9/2000	12/3/05	0	W36	9/07	N/A
46	1/10/04	12/17/05	124,440	W36	9/07	N/A
48	2/14/04	12/17/05	133,009	W36	9/07	N/A
50	8/4/04	1/12/06	136,259	W36	10/07	N/A
52	2/22/04	4/06	143,119	W36	11/07	N/A
54	9/2000	5/06	160,498	W36	12/07	N/A
56	9/2000	5/06	158,795	W36	1/08	N/A
56B	N/A		0	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

## Layer Site 5 – Mt. Victory 4<sup>th</sup> Quarter 2010

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

	Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	1	131,893	W36	7/08	10/08
	2	132,725	W36	8/08	10/08
	3	135,515	W36	8/08	10/08
	4	134,006	W36	9/08	10/08
	5	135,758	W36	9/08	10/08
	6	135,030	W36	10/08	10/08
	7	0	W36	1/09	10/08
A CONTRACTOR OF THE PARTY OF TH	9	135,747	W36	11/08	10/08
	10	132,958	W36	1/09	10/08
in and a	11	143,501	W36 -	12/08	10/08
not a par	12	132,415	W36	1/09	10/08
200 x 13,000 x 6	13	140,107	W36	1/09	10/08
	14	134,931	W36	1/09	10/08
	15	131,653	W36	2/09	10/08

Layer Site 6 – Marseilles 4<sup>th</sup> Quarter 2010

Consent Decree 3:03 CV 7681 Update

	Barn	Population	Breed	PM Control	Ammonia
		_	W98/W36	(ESCS Installation)	Control BMPs
					Implementation
	1	0	W36	4/07	10/08
	2	134,634	W36	6/07	10/08
	3	141,831	W36	7/07	10/08
	4	131,451	W36	8/07	10/08
_	5	144,978	W36	9/07	10/08
	6	135,523	- W36	10/07	10/08
سمدا	7	143,479	W36	11/07	10/08
-	8	142,821	W36	12/08	10/08
	9	0	W36	1/08	10/08
	10	133,884	W36	2/08	10/08
	11	133,012	W36	3/08	10/08
	12	131,801	W36	4/08	10/08
	13	128,417	W36	5/08	10/08
	14	136,780	W36	6/08	10/08
	15	135,509	W36	6/08	10/08
	16	133,311	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



JAN 1 4 2015

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AIR ENFORCEMENT BRANCH
U.S. EPA GRON 5

Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 4th Quarter 2014 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
  - PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

Ramchand Almoro Director of Production

#### Layer Site 1 – Croton 4th Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			Installation	Implementation
1	10/25/03	9-6-08	157,895	W36	4/08	N/A
- 3	6/19/04	9-25-08	163,034	W36	12/08	· N/A
5	10/30/04	10-22-08	163,911	W36	2/09	N/A
7	10/30/04	4/13/09	157,564	W36	11/09	N/A
9	3/27/04	4/13/09	157,089	W36	11/09	N/A
11	5/22/04	4/13/09	154,869	W36	11/09	N/A
13	11/6/04	4/13/09	155,686	W36	11/09	N/A
13A	N/A		83,203	W36	5/08	N/A
2	1/10/04	7/18/09	138,516	W36	1/07	N/A
4	9/2000	1/15/2001	144,052	W36	1/07	N/A
6	9/2000	1-15-2001	144,606	W36	1/07	N/A
8	4/8/09	8/7/2010	143,953	W36	1/07	N/A
10	4/8/09	8/14/2010	138,378	W36	4/07	N/A
12	5/10/09	9/11/2010	163,929	W36	6/07	N/A
14	5/10/09	9/11/2010	158,245	W36	7/07	N/A
14B	N/A		83,039	W36	8/07	N/A

#### Layer Site 2 – Croton 4th Quarter 2014

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0		,	N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 4th Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	Actions) 9/3/05	9/20/12	113,424	W36	Not needed	N/A
31	10/16/04	9/15/12	148,669	W36	Not needed	N/A
33	9/3/05	10/15/13	144,797	W36	Not needed	N/A
35	9/17/05	1/15/14	150,990	W36	Not needed	N/A
37	9/24/05	3/15/14	155,647	W36	Not needed	N/A
39	9/10/05	5/3/14	156,202	W36	Not needed	N/A
41	11/20/04	8/6/14	154,971	W36	Not needed	N/A
41A	10/1/05	9/26/12	67,710	W36	Not needed	N/A
30	9/10/05	7/15/13	150,433	W36	Not needed	N/A
32	10/1/05	8/15/13	150,828	W36	Not needed	N/A
34	9/24/05	11/15/13	151,897	W36	Not needed	N/A
36	12/4/05	4/1/14	152,635	W36	Not needed	N/A
38	9/10/05	5/21/14	156,662	W36	Not needed	N/A
40	10/9/04	6/10/14	156,547	W36	Not needed	N/A
42	10/1/05	8/20/14	157,437	W36	Not needed	N/A
42B	10/1/05	9/29/12	67,940	W36	Not needed	N/A

#### Layer Site 4 – Croton 4th Quarter 2014

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			Installation	Implementation
43	9/2000	8/11/01	142,606	W36	11/09	N/A
45	9/2000	8/18/01	142,025	W36	11/09	N/A
47	9/2000	8/25/01	145,709	W36	10/08	N/A
49	9/2000	9/8/01	145,328	W36	11/09	N/A
51	9/2000	9/15/01	144490	W36	11/08	N/A
53	9/2000	10/6/01	141,766	W36	1/09	N/A
55	2/4/06	4/24/10	164,548	W36	11/09	N/A
55A	N/A		81,346	W36	3/08	N/A
44	9/2000	12/3/05	140,642	W36	9/07	N/A
46	1/10/04	12/17/05	140,016	W36	9/07	N/A
48	2/14/04	12/17/05	144,192	W36	9/07	N/A
50	8/4/04	1/12/06	137,111	W36	10/07	N/A
52	2/22/04	4/06	158,,979	W36	11/07	N/A
54	9/2000	5/06	156912	W36	12/07	N/A
56	9/2000	5/06	162,560	W36	1/08	N/A
56B	N/A		81,019	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation \*\* ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 4th Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	143,879	W36	7/08	10/08
2	110,974	W36	8/08	10/08
3	128,090	W36	8/08	10/08
4	125,806	W36	9/08	10/08
5	125,823	W36	9/08	10/08
6	125,799	W36	10/08	10/08
7	143,146	W36	1/09	10/08
9	129,641	W36	11/08	10/08
10	143,596	W36	1/09	10/08
11	0	W36	12/08	10/08
12	0	W36	1/09	10/08
13	128,449	W36	1/09	10/08
14	124,556	W36	1/09	10/08
15	127,169	W36	2/09	10/08

#### Layer Site 6 – Marseilles 4th Quarter 2014 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia
		1170/1170	(ESCS Installation)	Control BMPs Implementation
1	136,420	W36	4/07	10/08
2	142,929	W36	6/07	10/08
3	140,438	W36	7/07	10/08
4	135,819	W36	8/07	10/08
5	130,187	W36	9/07	10/08
6	129,798	W36	10/07	10/08
7	143,172	W36	11/07	10/08
8	143,224	W36	12/08	10/08
9	138,145	W36	1/08	10/08
10	138,289	W36	2/08	10/08
11	143,725	W36	3/08	10/08
12	139,360	W36	4/08	10/08
13	140,761	W36	5/08	10/08
14	145,456	W36	6/08	10/08
15	142,929	W36	6/08	10/08
16	143,065	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
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Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 3rd Quarter 2014 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

  PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
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- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
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- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C

Ramchand Almoro

Director of Production

## Layer Site 1 – Croton 3rd Quarter 2014

## Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date	Date	, .	W98/W36	(ESCS)	Control BMPs
	To convert to B/B	For Remodeled B/B			Installation	Implementation
	(Control Actions)	(Control Actions)				A STATE OF THE STA
11	10/25/03	9-6-08	159,142	W36	4/08	N/A
3	6/19/04	9-25-08	163,940	W36	12/08	N/A
5	10/30/04	10-22-08	155,150	W36	2/09	N/A
7	10/30/04	4/13/09	159,286	W36	11/09	N/A
9	3/27/04	4/13/09	158,504	W36	11/09	N/A
11	5/22/04	4/13/09	156,197	W36	11/09	N/A
13	11/6/04	4/13/09	157,381	W36	11/09	N/A
13A	N/A		83,728	W36	5/08	N/A
2	1/10/04	7/18/09	139,843	W36	1/07	N/A
4	9/2000	1/15/2001	0	W36	1/07	N/A
6	9/2000	1-15-2001	136,905	W36	1/07	N/A
8	4/8/09	8/7/2010	135,483	W36	1/07	N/A
10	4/8/09	8/14/2010	139,162	W36	<i>A</i> /07	N/A
12	5/10/09	9/11/2010	164,589	W36	6/07	N/A
14	5/10/09	9/11/2010	159,508	W36	7/07	N/A
14B	N/A		83,643	W36	8/07	N/A

# Layer Site 2 – Croton 3rd Quarter 2014

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

\* (j) and (k) modified to reflect ESCS installation and BMP Implementation

## Layer Site 3 – Croton 3rd Quarter 2014

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05	9/20/12	115,127	W36	Not needed	N/A
31	10/16/04	9/15/12	149,468	W36	Not needed	N/A
33	9/3/05	10/15/13	146,069	W36	Not needed	N/A
35	9/17/05	1/15/14	152,484	W36	Not needed	N/A
37	9/24/05	3/15/14	156,855	W36	Not needed	N/A
39	9/10/05	5/3/14	157,333	W36	Not needed	N/A
41	11/20/04	8/6/14	156,523	W36	Not needed	N/A
41A	10/1/05	9/26/12	69,235	W36	Not needed	N/A
30	9/10/05	7/15/13	151,975	W36	Not needed	N/A
32	10/1/05	8/15/13	152,305	W36	Not needed	N/A
34	9/24/05	11/15/13	153,822	W36	Not needed	N/A
36	12/4/05	4/1/14	154,215	W36	Not needed	N/A
_ 38_	9/10/05	5/21/14	157,561	- W36	Not needed	<u>N/A</u>
40	10/9/04	6/10/14	157,230	W36	Not needed	N/A
42	10/1/05	8/20/14	159,298	W36	Not needed	N/A
42B	10/1/05	9/29/12	69,068	W36	Not needed	N/A

#### Layer Site 4 – Croton 3rd Quarter 2014

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	Actions) 9/2000	8/11/01	143,226	W36	11/09	N/A
45	9/2000	8/18/01	142,636	W36	11/09	N/A
47	9/2000	8/25/01	139,700	W36	10/08	N/A
49	9/2000	9/8/01	134,103	W36	11/09	N/A
51	9/2000	9/15/01	145,576	W36	11/08	N/A
53	9/2000	10/6/01	142,651	W36	1/09	N/A
55	2/4/06	4/24/10	165,054	W36	11/09	N/A
55A	N/A		81,775	W36	3/08	N/A
44	9/2000	12/3/05	142,003	W36	9/07	N/A
46	1/10/04	12/17/05	141,404	W36	9/07	N/A
48	2/14/04	12/17/05	128,966	W36	9/07	N/A
50	8/4/04	1/12/06	138,237	W36	10/07	N/A
52	2/22/04	4/06	160,219	W36	11/07	N/A
54	9/2000	5/06	158,669	W36	12/07	N/A
56	9/2000	5/06	163,592	W36	1/08	N/A
56B	N/A		81,627	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

# Layer Site 5 – Mt. Victory 3<sup>rd</sup> Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control . BMPs Implementation
1	119,584	W36	7/08	10/08
2	112,547	W36	8/08	10/08
3	129,582	W36	8/08	10/08
4	127,432	W36	9/08	10/08
5	127,366	W36	9/08	10/08
6	127,320	W36	10/08	10/08
7	115,635	W36	1/09	10/08
9	130,946	W36	11/08	10/08
10	114,959	W36	1/09	10/08
11	106,543	W36	12/08	10/08
12	128,510	W36	1/09	10/08
13	129,657	W36	1/09	10/08
14	125,863	W36	1/09	10/08
15	129,110	W36	2/09	10/08

## Layer Site 6 – Marseilles 3rd Quarter 2014

### Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed	PM Control	Ammonia
	_	W98/W36	(ESCS Installation)	Control BMPs
				Implementation
1	137,321	W36	4/07	10/08
2	144,017	W36	6/07	10/08
3	141,315	W36	7/07	10/08
4	136,784	W36	8/07	10/08
5	131,422	W36	9/07	10/08
6	132,008	W36	10/07	10/08
7	143,914	W36	11/07	10/08
8	143,997	W36	12/08	10/08
9	138,835	W36	1/08	10/08
10	139,072	W36	2/08	10/08
11	144,173	W36	3/08	10/08
12	140,254	W36	4/08	10/08
13	141,960	W36	5/08	10/08
14	139,705	W36	6/08	10/08
15	143,733	W36	6/08	10/08
16	143,835	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Compliance Tracker
Air Enforcement and Compliance Assurance Branch
U.S. Environmental protection Agency
Region 5, AE-17J
77 West Jackson Boulevard
Chicago, Illinois 60604

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 2nd Quarter 2014 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
  - PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Varm Holdings, L.L.C.

Ramchand Almoro Director of Production

# Layer Site 1 – Croton 2<sup>nd</sup> Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date	Date		W98/W36	(ESCS)	Control BMPs
	To convert to B/B	For Remodeled B/B			Installation	Implementation
	(Control Actions)	(Control Actions)				
1	10/25/03	9-6-08	163,446	W36	4/08	N/A
3	6/19/04	9-25-08	153,378	W36	12/08	N/A
5	10/30/04	10-22-08	157,997	W36	2/09	N/A
7	10/30/04	4/13/09	161,985	W36	11/09	N/A
9	3/27/04	4/13/09	161,172	W36	11/09	N/A
11	5/22/04	4/13/09	162,734	W36	11/09	N/A
13	11/6/04	4/13/09	161,408	W36	11/09	N/A
13A	N/A		72,484	W36	5/08	N/A
2	1/10/04	7/18/09	141,904	W36	1/07	N/A
4	9/2000	1/15/2001	137,300	W36	1/07	N/A
6	9/2000	1-15-2001	139,785	W36	1/07	N/A
8	4/8/09	8/7/2010	138,139	W36	1/07	N/A
10	4/8/09	8/14/2010	141,521	W36	4/07	N/A
12	5/10/09	9/11/2010	146,719	W36	6/07	N/A
14	5/10/09	9/11/2010	163,036	W36	7/07	N/A
14B	N/A		77,588	W36	8/07	N/A

# Layer Site 2 – Croton 2<sup>nd</sup> Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	Actions)	(Condol 1 totions)				
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

## Layer Site 3 – Croton 2nd Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control (ESCS)	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W 30, 1130	Installation	Control BMPs Implementation
29	9/3/05	9/20/12	120,357	W36	Not needed	N/A
31	10/16/04	9/15/12	135,953	LSL	Not needed	N/A
33	9/3/05	10/15/13	150,079	W36	Not needed	N/A
35	9/17/05	1/15/14	155,901	W36	Not needed	N/A
37	9/24/05	3/15/14	158,572	W36		N/A
39	9/10/05	5/3/14	159,238	W36		N/A
41	11/20/04					N/A
41A	10/1/05	9/26/12		W36	Not needed	N/A
30	9/10/05	7/15/13	154,648	W36	Not needed	N/A
32	10/1/05	8/15/13	155,079	W36	Not needed	N/A
34	9/24/05	11/15/13	156,496	W36	Not needed	N/A
36	12/4/05	4/1/14	157,007	W36	Not needed	N/A
38	9/10/05					N/A
40	10/9/04					N/A
42	10/1/05					N/A
42B	10/1/05	9/29/12		W36	Not needed	N/A

# Layer Site 4 – Croton 2<sup>nd</sup> Quarter 2014

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	133,274	W36	11/09	N/A
45	9/2000	8/18/01	135,457	W36	11/09	N/A
47	9/2000	8/25/01	141,800	W36	10/08	N/A
49	9/2000	9/8/01	136,827	W36	11/09	N/A
51	9/2000	9/15/01	139,421	W36	11/08	N/A
53	9/2000	10/6/01	145,391	W36	1/09	N/A
55	2/4/06	4/24/10	158,558	W36	11/09	N/A
55A	N/A		82,473	W36	3/08	N/A
44	9/2000	12/3/05	143,342	W36	9/07	N/A
46	1/10/04	12/17/05	143,205	W36	9/07	N/A
48	2/14/04	12/17/05	132,812	W36	9/07	N/A
50	8/4/04	1/12/06	141,347	W36	10/07	N/A
52	2/22/04	4/06	162,439	W36	11/07	N/A
54	9/2000	5/06	161,219	W36	12/07	N/A
56	9/2000	5/06	148,299	W36	1/08	N/A
56B	N/A		82,625	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

# Layer Site 5 – Mt. Victory 2nd Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	122,652	W36	7/08	10/08
2	115,659	W36	8/08	10/08
3	133,266	W36	8/08	10/08
4	130,497	W36	9/08	10/08
5	130,445	W36	9/08	10/08
6	130,606	W36	10/08	10/08
7	121,949	W36	1/09	10/08
9	133,806	W36	11/08	10/08
10	118,077	W36	1/09	10/08
11	109,303	W36	12/08	10/08
12	131,707	W36	1/09	10/08
13	132,071	W36	1/09	10/08
14	128,156	W36	1/09	10/08
15	132,160	W36	2/09	10/08

#### Layer Site 6 – Marseilles 2nd Quarter 2014 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	139,135	W36	4/07	10/08
2	125,492	W36	6/07	10/08
3	143,346	W36	7/07	10/08
4	138,709	W36	8/07	10/08
5	133,306	W36	9/07	10/08
6	134,622	W36	10/07	10/08
7	145,064	W36	11/07	10/08
8	145,080	W36	12/08	10/08
9	140,471	W36	1/08	10/08
10	141,068	W36	2/08	10/08
11	120,848	W36	3/08	10/08
12	126,297	W36	4/08	10/08
13	143,883	W36	5/08	10/08
14	141,841	W36	6/08	10/08
15	144,746	W36	6/08	10/08
16	144,939	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 4th Quarter 2013 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
  - PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

Rámchand Almoro Director of Production

3

#### Layer Site 1 – Croton 1st Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			Installation	Implementation
1	10/25/03	9-6-08	164325	W36	4/08	N/A
3	6/19/04	9-25-08	155183	W36	12/08	N/A
5	10/30/04	10-22-08	159557	W36	2/09	N/A
7	10/30/04	4/13/09	163380	W36	11/09	N/A
9	3/27/04	4/13/09	163036	W36	11/09	N/A
11	5/22/04	4/13/09	empty	W36	11/09	N/A
13	11/6/04	4/13/09	163417	W36	11/09	N/A
13A	N/A		73899	W36	5/08	N/A
2	1/10/04	7/18/09	142816	W36	1/07	N/A
4	9/2000	1/15/2001	139302	W36	1/07	N/A
6	9/2000	1-15-2001	141354	W36	1/07	N/A
8	4/8/09	8/7/2010	139668	W36	1/07	N/A
10	4/8/09	8/14/2010	142693	W36	4/07	N/A
12	5/10/09	9/11/2010	148871	W36	6/07	N/A
14	5/10/09	9/11/2010	164099	W36	7/07	N/A
14B	N/A		78842	W36	8/07	N/A

#### Layer Site 2 – Croton 1st Quarter 2014

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0		, , , , , ,	N/A
20	8/20/05		0			N/A
22	3/5/05		0		•	N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 1st Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W36	(ESCS) Installation	Control BMPs Implementation
29	9/3/05	9/20/12	121756	W36	Not needed	N/A
31	10/16/04	9/15/12	138334	W36	Not needed	N/A
33	9/3/05	10/15/13	157597	W36	Not needed	N/A
35	9/17/05	1/15/14	159348	W36	Not needed	N/A
37	9/24/05	3/15/14				N/A
39	9/10/05					N/A
41	11/20/04					N/A
41A	10/1/05	9/26/12		W36	Not needed	N/A
30	9/10/05	7/15/13	155880	W36	Not needed	N/A
32	10/1/05	8/15/13	156513	W36	Not needed	N/A
34	9/24/05	11/15/13	159001	W36	Not needed	N/A
36	12/4/05					N/A
38	9/10/05					N/A
40	10/9/04					N/A
42	10/1/05					N/A
42B	10/1/05	9/29/12		W36	Not needed	N/A

#### Layer Site 4 – Croton 1st Quarter 2014

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	135451	W36	11/09	N/A
45	9/2000	8/18/01	137807	W36	11/09	N/A
47	9/2000	8/25/01	143145	W36	10/08	N/A
49	9/2000	9/8/01	138581	W36	11/09	N/A
51	9/2000	9/15/01	141413	W36	11/08	N/A
53	9/2000	10/6/01	135082	W36	1/09	N/A
55	2/4/06	4/24/10	160574	W36	11/09	N/A
55A	N/A		82940	W36	3/08	N/A
44	9/2000	12/3/05	145364	W36	9/07	N/A
46	1/10/04	12/17/05	143145	W36	9/07	N/A
48	2/14/04	12/17/05	135111	W36	9/07	N/A
50	8/4/04	1/12/06	143707	W36	10/07	N/A
52	2/22/04	4/06	164066	W36	11/07	N/A
54	9/2000	5/06	163014	W36	12/07	N/A
56	9/2000	5/06	152415	W36	1/08	N/A
56B	N/A		83285	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 1st Quarter 2014

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	126056	W36	7/08	10/08
2	118289	W36	8/08	10/08
3	135956	W36	8/08	10/08
4	139239	W36	9/08	10/08
5	134399	W36	9/08	10/08
6	137807	W36	10/08	10/08
7	127992	W36	1/09	10/08
9	138135	W36	11/08	10/08
10	123004	W36	1/09	10/08
11	112396	W36	12/08	10/08
12	135945	W36	1/09	10/08
13	140241	W36	1/09	10/08
14	137802	W36	1/09	10/08
15	136361	W36	2/09	10/08

#### Layer Site 6 – Marseilles 1st Quarter 2014 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	141787	W36	4/07	10/08
2	131033	W36	6/07	10/08
3	144468	W36	7/07	10/08
4	140798	W36	8/07	10/08
5	134746	W36	9/07	10/08
6	137091	W36	10/07	10/08
7	123645	W36	11/07	10/08
8	119701	W36	12/08	10/08
9	142363	W36	1/08	10/08
10	143428	W36	2/08	10/08
11	124940	W36	3/08	10/08
12	131091	W36	4/08	10/08
13	144815	W36	5/08	10/08
14	143524	W36	6/08	10/08
15	133035	W36	6/08	10/08
16	120984	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree 4th Quarter 2013 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 4th Quarter 2013 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.



- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

  PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and



enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings

Ramehand Almoro Director of Production

1/14/14

#### Layer Site 1 – Croton 4th Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert	Reopening Date For Remodeled	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	to B/B (Control Actions)	B/B (Control Actions)			Installation	Implementation
1	10/25/03	9-6-08	97,716	W36	4/08	N/A
3	6/19/04	9-25-08	156,322	W36	12/08	N/A
5	10/30/04	10-22-08	160,826	W36	2/09	N/A
7	10/30/04	4/13/09	164,234	W36	11/09	N/A
9	3/27/04	4/13/09	164,346	W36	11/09	N/A
11	5/22/04	4/13/09	151,619	W36	11/09	N/A
13	11/6/04	4/13/09	164,845	W36	11/09	N/A
13A	N/A		75,634	W36	5/08	N/A
2	1/10/04	7/18/09	143,842	W36	1/07	N/A
4	9/2000	1/15/2001	140,493	W36	1/07	N/A
6	9/2000	1-15-2001	142,436	W36	1/07	N/A
8	4/8/09	8/7/2010	140,977	W36	1/07	N/A
10	4/8/09	8/14/2010	143,432	W36	4/07	N/A
12	5/10/09	9/11/2010	152,472	W36	6/07	N/A
14	5/10/09	9/11/2010	165,034	W36	7/07	N/A
14B	N/A		79,875	W36	8/07	N/A

#### Layer Site 2 – Croton 4th Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 4th Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05	9/20/12	110,595	W36	Not needed	N/A
31	10/16/04	9/15/12	140,079	W36	Not needed	N/A
33	9/3/05					N/A
35	9/17/05					N/A
37	9/24/05					N/A
39	9/10/05					N/A
41	11/20/04					N/A
41A	10/1/05	9/26/12	79,983	W36	Not needed	N/A
30	9/10/05	7/15/13	156,681	W36	Not needed	N/A
32	10/1/05	8/15/13	157,457			N/A
34	9/24/05					N/A
36	12/4/05					N/A
38	9/10/05					N/A
40	10/9/04					N/A
42	10/1/05					N/A
42B	10/1/05	9/29/12	80,920	W36	Not needed	N/A

#### Layer Site 4 – Croton 4th Quarter 2013

Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	To convert to B/B (Control Actions)	For Remodeled B/B (Control Actions)			Installation	Implementation
43	9/2000	8/11/01	37,789	W36	11/09	N/A
45	9/2000	8/18/01	139,908	W36	11/09	N/A
47	9/2000	8/25/01	143,941	W36	10/08	N/A
49	9/2000	9/8/01	140,631	W36	11/09	N/A
51	9/2000	9/15/01	142,930	W36	11/08	N/A
53	9/2000	10/6/01	137,707	W36	1/09	N/A
55	2/4/06	4/24/10	162,023	W36	11/09	N/A
55A	N/A		83,728	W36	3/08	N/A
44	9/2000	12/3/05	129,250	W36	9/07	N/A
46	1/10/04	12/17/05	144,596	W36	9/07	N/A
48	2/14/04	12/17/05	136,558	W36	9/07	N/A
50	8/4/04	1/12/06	144,731	W36	10/07	N/A
52	2/22/04	4/06	empty	W36	11/07	N/A
54	9/2000	5/06	163,928	W36	12/07	N/A
56	9/2000	5/06	155,111	W36	1/08	N/A
56B	N/A		76,929	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

\*\* ESCS power supply being modified



#### Layer Site 5 – Mt. Victory 4th Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	134,071	W36	7/08	10/08
2	135,525	W36	8/08	10/08
3	138,396	W36	8/08	10/08
4	140,982	W36	9/08	10/08
5	140,122	W36	9/08	10/08
6	139,578	W36	10/08	10/08
7	130,446	W36	1/09	10/08
9	139,850	W36	11/08	10/08
10	132,436	W36	1/09	10/08
11	134,856	W36	12/08	10/08
12	137,977	W36	1/09	10/08
13	141,712	W36	1/09	10/08
14	139,317	W36	1/09	10/08
15	137,781	W36	2/09	10/08

# Layer Site 6 – Marseilles 4<sup>th</sup> Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	143,346	W36	4/07	10/08
2	134,716	W36	6/07	10/08
3	103,391	W36	7/07	10/08
4	142,272	W36	8/07	10/08
5	136,441	W36	9/07	10/08
6	139,587	W36	10/07	10/08
7	126,177	W36	11/07	10/08
8	121,968	W36	12/08	10/08
9	143,815	W36	1/08	10/08
10	144,934	W36	2/08	10/08
11	127,457	W36	3/08	10/08
12	133,613	W36	4/08	10/08
13	empty	W36	5/08	10/08
14	145,357	W36	6/08	10/08
15	136,048	W36	6/08	10/08
16	123,538	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation





Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 3rd Quarter 2013 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

  PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
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- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings,

Ramchand Almoro Director of Production

#### Layer Site 1 – Croton 3rd Quarter 2013

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date	Reopening Date	Population	Breed W98/W36	PM Control (ESCS)	Ammonia
	To convert to B/B (Control	For Remodeled B/B (Control			Installation	Control BMPs Implementation
	Actions)	Actions)				
1	10/25/03	9-6-08	151,692	W36	4/08	N/A
3	6/19/04	9-25-08	161,097	W36	12/08	N/A
5	10/30/04	10-22-08	163,106	W36	2/09	N/A
7	10/30/04	4/13/09	empty	W36	11/09	N/A
9	3/27/04	4/13/09	147,228	W36	11/09	N/A
11	5/22/04	4/13/09	155,010	W36	11/09	N/A
13	11/6/04	4/13/09	152,984	W36	11/09	N/A
13A	N/A		78,338	W36	5/08	N/A
2	1/10/04	7/18/09	117,916	W36	1/07	N/A
4	9/2000	1/15/2001	414,959	W36	1/07	N/A
6	9/2000	1-15-2001	143,515	W36	1/07	N/A
8	4/8/09	8/7/2010	142,355	W36	1/07	N/A
10	4/8/09	8/14/2010	126,884	W36	4/07	N/A
12	5/10/09	9/11/2010	155,358	W36	6/07	N/A
14	5/10/09	9/11/2010	154,809	W36	7/07	N/A
14B	N/A		81,686	W36	8/07	N/A

### Layer Site 2 – Croton 3rd Quarter 2013

### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B	Reopening Date For Remodeled B/B	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
	(Control Actions)	(Control Actions)				
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

### Layer Site 3 – Croton 3rd Quarter 2013

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05	9/20/12	112,685	W36	Not needed	N/A
31	10/16/04	9/15/12	142,741	W36	Not needed	N/A
33	9/3/05					N/A
35	9/17/05					N/A
37	9/24/05					N/A
39	9/10/05					N/A
41	11/20/04					N/A
41A	10/1/05	9/26/12	81,278	W36	Not needed	N/A
30	9/10/05	7/15/13	158,783	W36	Not needed	N/A
32	10/1/05					N/A
34	9/24/05					N/A
36	12/4/05					N/A
38	9/10/05					N/A
40	10/9/04					N/A
42	10/1/05					N/A
42B	10/1/05	9/29/12	81,867	W36	Not needed	N/A

# Layer Site 4 – Croton 3rd Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	Actions) 9/2000	8/11/01	139,492	W36	11/09	N/A
45	9/2000	8/18/01	141,500	W36	11/09	N/A
47	9/2000	8/25/01	145,094	W36	10/08	N/A
49	9/2000	9/8/01	142,250	W36	11/09	N/A
51	9/2000	9/15/01	144,164	W36	11/08	N/A
53	9/2000	10/6/01	139,836	W36	1/09	N/A
55	2/4/06	4/24/10	163,191	W36	11/09	N/A
55A	N/A		73,992	W36	3/08	N/A
44	9/2000	12/3/05	133,152	W36	9/07	N/A
46	1/10/04	12/17/05	129,483	W36	9/07	N/A
48	2/14/04	12/17/05	138,797	W36	9/07	N/A
50	8/4/04	1/12/06	132,545	W36	10/07	N/A
52	2/22/04	4/06	162,740	W36	11/07	N/A
54	9/2000	5/06	165,109	W36	12/07	N/A
56	9/2000	5/06	158,138	W36	1/08	N/A
56B	N/A		78,744	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

# Layer Site 5 – Mt. Victory 3rd Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	136,640	W36	7/08	10/08
2	138,142	W36	8/08	10/08
3	140,663	W36	8/08	10/08
4	142,538	W36	9/08	10/08
5	142,337	W36	9/08	10/08
6	141,865	W36	10/08	10/08
7	132,990	W36	1/09	10/08
9	141,767	W36	11/08	10/08
10	135,708	W36	1/09	10/08
11	137,525	W36	12/08	10/08
12	140,500	W36	1/09	10/08
13	143,429	W36	1/09	10/08
14	141,644	W36	1/09	10/08
15	139,866	W36	2/09	10/08

# Layer Site 6 – Marseilles 3rd Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	144,400	W36	4/07	10/08
2	137,769	W36	6/07	10/08
3	105,122	W36	7/07	10/08
4	144,176	W36	8/07	10/08
5	138,685	W36	9/07	10/08
6	141,964	W36	10/07	10/08
7	128,267	W36	11/07	10/08
8	123,944	W36	12/08	10/08
9	145,127	W36	1/08	10/08
10	133,185	W36	2/08	10/08
11	130,199	W36	3/08	10/08
12	136,420	W36	4/08	10/08
13	137,130	W36	5/08	10/08
14	114,851	W36	6/08	10/08
15	138,470	W36	6/08	10/08
16	125,119	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P., et al.</u> – Civil Action 3:03 CV 7681 – Consent Decree 2nd Quarter 2013 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
  - PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

Ramchand Almoro Director of Production

7/31/13

#### Layer Site 1 – Croton 2nd Quarter 2013

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date	Date	_	W98/W36	(ESCS)	Control BMPs
	To convert to B/B	For Remodeled B/B			Installation	Implementation
	(Control Actions)	(Control Actions)				
1	10/25/03	9-6-08	155,692	W36	4/08	N/A
3	6/19/04	9-25-08	163,019	W36	12/08	N/A
5	10/30/04	10-22-08	165,091	W36	2/09	N/A
7	10/30/04	4/13/09	143,410	W36	11/09	N/A
9	3/27/04	4/13/09	150,879	W36	11/09	N/A
11	5/22/04	4/13/09	158,298	W36	11/09	N/A
13	11/6/04	4/13/09	156,647	W36	11/09	N/A
13A	N/A		80,346	W36	5/08	N/A
2	1/10/04	7/18/09	122,501	W36	1/07	N/A
4	9/2000	1/15/2001	144,372	W36	1/07	N/A
6	9/2000	1-15-2001	127,748	W36	1/07	N/A
8	4/8/09	8/7/2010	123,166	W36	1/07	N/A
10	4/8/09	8/14/2010	130,431	W36	4/07	N/A
12	5/10/09	9/11/2010	157,800	W36	6/07	N/A
14	5/10/09	9/11/2010	158,128	W36	7/07	N/A
14B	N/A		83,322	W36	8/07	N/A

## Layer Site 2 – Croton 2nd Quarter 2013

### Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0		<u> </u>	N/A
25	3/12/05	1	0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0	-		N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

### Layer Site 3 – Croton 2nd Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

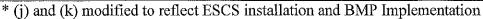
\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W36	(ESCS) Installation	Control BMPs Implementation
29	9/3/05	9/20/12	114,216	W36	Not needed	N/A
31	10/16/04	9/15/12	144,355	W36	Not needed	N/A
33	9/3/05					N/A
35	9/17/05					N/A
37	9/24/05					N/A
39	9/10/05				* 184	N/A
41	11/20/04					N/A
41A	10/1/05	9/26/12	82,135	W36	Not needed	N/A
30	9/10/05					N/A
32	10/1/05					N/A
34	9/24/05					N/A
36	12/4/05					N/A
38	9/10/05					N/A
40	10/9/04					N/A
42	10/1/05					N/A
42B	10/1/05	9/29/12	82,554	W36	Not needed	N/A

# Layer Site 4 – Croton 2nd Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control	Ammonia
	Date To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		W98/W30	(ESCS) Installation	Control BMPs Implementation
43	9/2000	8/11/01	142,642	W36	11/09	N/A
45	9/2000	8/18/01	143,109	W36	11/09	N/A
47	9/2000	8/25/01	120,820	W36	10/08	N/A
49	9/2000	9/8/01	143,662	W36	11/09	N/A
51	9/2000	9/15/01	145,471	W36	11/08	N/A
53	9/2000	10/6/01	141,377	W36	1/09	N/A
55	2/4/06	4/24/10	164,075	W36	11/09	N/A
55A	N/A		76,769	W36	3/08	N/A
44	9/2000	12/3/05	136,435	W36	9/07	N/A
46	1/10/04	12/17/05	134,349	W36	9/07	N/A
48	2/14/04	12/17/05	140,549	W36	9/07	N/A
50	8/4/04	1/12/06	135,129	W36	10/07	N/A
52	2/22/04	4/06	164,406	W36	11/07	N/A
54	9/2000	5/06	149,679	W36	12/07	N/A
56	9/2000	5/06	161,610	W36	1/08	N/A
56B	N/A		80,577	W36	2/08	N/A



<sup>\*\*</sup> ESCS power supply being modified



## Layer Site 5 – Mt. Victory 2nd Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
			Installation	Implementation
1	139,404	W36	7/08	10/08
2	142,090	W36	8/08	10/08
3	143,337	W36	8/08	10/08
4	144,215	W36	9/08	10/08
5	109,866	W36	9/08	10/08
6	143,838	W36	10/08	10/08
7	136,367	W36	1/09	10/08
9	143,309	W36	11/08	10/08
10	138,442	W36	1/09	10/08
11	140,495	W36	12/08	10/08
12	142,941	W36	1/09	10/08
13	111,216	W36	1/09	10/08
14	143,856	W36	1/09	10/08
15	142,332	W36	2/09	10/08

# Layer Site 6 – Marseilles 2nd Quarter 2013 Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	empty	W36	4/07	10/08
2	140,204	W36	6/07	10/08
3	106,432	W36	7/07	10/08
4	86,773	W36	8/07	10/08
5	140,761	W36	9/07	10/08
6	143,702	W36	10/07	10/08
7	129,931	W36	11/07	10/08
8	125,253	W36	12/08	10/08
9	113,027	W36	1/08	10/08
10	135,457	W36	2/08	10/08
11	132,645	W36	3/08	10/08
12	138,916	W36	4/08	10/08
13	138,644	W36	5/08	10/08
14	116,815	W36	6/08	10/08
15	140,225	W36	6/08	10/08
16	126,314	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement
Office of Enforcement and Compliance Assurance
U.S. Environmental Protection Agency
Mailcode 2241A
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree 1st Quarter 2013 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans,

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
  - PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

Chuck Renken Director of Compliance

#### Layer Site 1 – Croton 1<sup>st</sup> Quarter 2013

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert	Reopening Date For Remodeled	Population	Breed W98/W36	PM Control (ESCS)	Ammonia Control BMPs
	to B/B (Control Actions)	B/B (Control Actions)			Installation	Implementation
1	10/25/03	9-6-08	159,070	W36	4/08	N/A
3	6/19/04	9-25-08	121,138	W36	12/08	N/A
5	10/30/04	10-22-08	129,871	W36	2/09	N/A
7	10/30/04	4/13/09	147,305	W36	11/09	N/A
9	3/27/04	4/13/09	154,301	W36	11/09	N/A
11	5/22/04	4/13/09	161,361	W36	11/09	N/A
13	11/6/04	4/13/09	159,519	W36	11/09	N/A
13A	N/A		82,540	W36	5/08	N/A
2	1/10/04	7/18/09	126,290	W36	1/07	N/A
4	9/2000	1/15/2001	126,998	W36	1/07	N/A
6	9/2000	1-15-2001	130,712	W36	1/07	N/A
8	4/8/09	8/7/2010	126,496	W36	1/07	N/A
10	4/8/09	8/14/2010	133,154	W36	4/07	N/A
12	5/10/09	9/11/2010	160,168	W36	6/07	N/A
14	5/10/09	9/11/2010	160,638	W36	7/07	N/A
14B	N/A		67,733	W36	8/07	N/A

# Layer Site 2 – Croton 1<sup>st</sup> Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0			N/A
28	8/20/05		0			N/A
28B	8/20/05		. 0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 1st Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	Actions) 9/3/05	9/20/12	116,135	W36		N/A
31	10/16/04	9/15/12	146,316	W36		N/A
33	9/3/05					N/A
35	9/17/05					N/A
37	9/24/05					N/A
39	9/10/05					N/A
41	11/20/04					N/A
41A	10/1/05	9/26/12	83,069	W36		N/A
30	9/10/05					N/A
32	10/1/05					N/A
34	9/24/05					N/A
36	12/4/05					N/A
38	9/10/05					N/A
40	10/9/04					N/A
42	10/1/05					N/A
42B	10/1/05	9/29/12	83,016	W36		N/A

#### Layer Site 4 – Croton 1st Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01	143,659	W36	11/09	N/A
45	9/2000	8/18/01	144,754	W36	11/09	N/A
47	9/2000	8/25/01	125,095	W36	10/08	N/A
49	9/2000	9/8/01	144,983	W36	11/09	N/A
51	9/2000	9/15/01	129,843	W36	11/08	N/A
53	9/2000	10/6/01	142,436	W36	1/09	N/A
55	2/4/06	4/24/10		W36	11/09	N/A
55A	N/A		79,251	W36	3/08	N/A
44	9/2000	12/3/05	139,884	W36	9/07	N/A
46	1/10/04	12/17/05	137,964	W36	9/07	N/A
48	2/14/04	12/17/05	143,211	W36	9/07	N/A
50	8/4/04	1/12/06	137,712	W36	10/07	N/A
52	2/22/04	4/06	159,345	W36	11/07	N/A
54	9/2000	5/06	153,371	W36	12/07	N/A
56	9/2000	5/06	164,642	W36	1/08	N/A
56B	N/A		81,924	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 1st Quarter 2013

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
1	143,170	W36	7/08	10/08
2	144,142	W36	8/08	10/08
3	117,831	W36	8/08	10/08
4	110,321	W36	9/08	10/08
5	115,916	W36	9/08	10/08
6	113,620	W36	10/08	10/08
7	141,732	W36	1/09	10/08
9	118,102	W36	11/08	10/08
10	141,538	W36	1/09	10/08
11	143,807	W36	12/08	10/08
12	120,154	W36	1/09	10/08
13	116,097	W36	1/09	10/08
14	104,718	W36	1/09	10/08
15		W36	2/09	10/08

#### Layer Site 6 – Marseilles 1st Quarter 2013

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed	PM Control	Ammonia
		W98/W36	(ESCS Installation)	Control BMPs
				Implementation
1	120,015	W36	4/07	10/08
2	141,918	W36	6/07	10/08
3	107,669	W36	7/07	10/08
4	89,018	W36	8/07	10/08
5	145,077	W36	9/07	10/08
6	121,698	W36	10/07	10/08
7	131,251	W36	11/07	10/08
8	126,681	W36	12/08	10/08
9	115,315	W36	1/08	10/08
10	137,716	W36	2/08	10/08
11	134,241	W36	3/08	10/08
12	140,804	W36	4/08	10/08
13	139,826	W36	5/08	10/08
14	117,869	W36	6/08	10/08
15	142,042	W36	6/08	10/08
16	127,392	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation



Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611

Director, Office of Regulatory Enforcement Office of Enforcement and Compliance Assurance U.S. Environmental Protection Agency Mailcode 2241A 1200 Pennsylvania Avenue, NW Washington, D.C. 20460

RE: <u>United States v. Buckeye Egg Farm L.P.</u>, et al. – Civil Action 3:03 CV 7681 – Consent Decree 4th Quarter 2012 Report

#### Dear Sir/Madam:

As required by the Consent Decree in the above-referenced case, this Quarterly Report is being submitted to satisfy the reporting obligations set forth under the Consent Decree, Section VII, Paragraph 23, and associated Attachment A, Section III, Paragraph 32.

As required by the Consent Decree, and in particular by Attachment A, Section III, Paragraph 32, the following has been accomplished in the prior reporting period, or is intended to be accomplished in the following reporting period:

32 (a) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."

Particulate Matter (PM) and ammonia emissions from the barns closed during the prior reporting period were minimized by flock removal and discontinuing use of side wall ventilation fans.

- 32 (b) See Attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
  - PM and ammonia emissions from the barns to be remodeled during the current reporting period were minimized by complete manure removal from barn(s).
- 32 (c) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005
- 32 (d) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. Visual inspection or dust removal associated the Particulate Impaction System ceased as of January 2005.
- 32 (e) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No dust removal has occurred since the Particulate Impaction System has been removed.
- 32 (f) Particulate Impaction System has been removed from the test house at Mt. Victory as of January 2005. No maintenance, repair, or replacement of Particulate Impaction System has occurred since the system has been removed.
- 32 (g) Particulate Impaction System has been removed from the test house at Mt. Victory.
- 32 (h) Exhaust or ventilation fan operational data was submitted via Purdue University Dr. Heber's updates. Monitoring of operational data has ceased.
- 32 (i) See attachment labeled "Layer Site 1-6 (Croton, Mt. Victory, Marseilles)."
- 32 (j) (i) Additional PM reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. (ii) Electrostatic analyses were conducted at Mt. Victory, barn 2. (iii) ESCS deemed to be effective in reducing PM emissions per May 31, 2006 test report. (iv) EPA approved ESCS as PM emission control on August 3, 2006. (v) Based on OFE's November 29, 2006 letter to U.S. EPA, ESCS installation proceeding at Croton, Mt. Victory and Marseilles facilities.
- 32 (k) (i) Additional ammonia reduction analyses occurred in the 3<sup>rd</sup> and 4<sup>th</sup> quarters of 2005 and continued through the 1<sup>st</sup> quarter of 2006. Ag-Detox applications and analyses were conducted at Mt. Victory's Layer Site #5, barn 2, for a period or two weeks and subsequently, alum applications and analyses occurred in 3<sup>rd</sup> quarter of 2005, at Mt. Victory's Layer Site #5, barn 2, and continued through the 1<sup>st</sup> quarter of 2006. (ii) Alum deemed to be ineffective in reducing ammonia emissions per June 30, 2006 report. (iii) U.S. EPA confirmed that use of alum was not an effective ammonia emissions control on November 9, 2006. On November 1, 2006, a revised Ammonia Emissions Control Plan was submitted to EPA for approval. (iv) U.S. EPA approved the revised Ammonia Emissions Control Plan on February 2, 2007. Approved ammonia emissions controls to be tested were: additional pit farms; improved water leak management; reduced crude protein in feed ration; reduced chlorine in feed rations; compliance with UEP guidelines; and

enhanced fiber diet. (v) Addendum to EPA approval of Ammonia Emissions Control Plan was issued on March 2, 2007. (vi) Testing commenced in July 2007. Testing of approved BMPs and enhanced fiber diet completed. Testing demonstrated use of BMPs and enhanced fiber diet are effective in reducing ammonia 50 percent or more. (vii) On December 5, 2007, U.S. EPA approved modification of test without use of enhanced fiber diet and with graduated reduction of BMPs. (viii) Testing of the effectiveness of BMPs to reduce ammonia emissions was completed and demonstrated ammonia emissions reduction greater than 50 percent. (ix) BMPs implementation completed in all deep pit layer barns.

I certify under penalty of law that this document and any attachments to it were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing and willful submission of a materially false statement.

Sincerely,

Trillium Farm Holdings, L.L.C.

Joe Laffoon General Manager

#### Layer Site 1 – Croton 4th Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure	Reopening	Population	Breed W98/W36	PM Control	Ammonia
	To convert to B/B (Control Actions)	Date For Remodeled B/B (Control Actions)		170,1130	(ESCS) Installation	Control BMPs Implementation
1	10/25/03	9-6-08	162,491	W36	4/08	N/A
3	6/19/04	9-25-08	125,527	W36	12/08	N/A
5	10/30/04	10-22-08	134,064	W36	2/09	N/A
7	10/30/04	4/13/09	150,133	W36	11/09	N/A
9	3/27/04	4/13/09	157,560	W36	11/09	N/A
11	5/22/04	4/13/09	163,689	W36	11/09	N/A
13	11/6/04	4/13/09	161,929	W36	11/09	N/A
13A	N/A		83,850	W36	5/08	N/A
2	1/10/04	7/18/09	129,730	W36	1/07	N/A
4	9/2000	1/15/2001	131,208	W36	1/07	N/A
6	9/2000	1-15-2001	133,259	W36	1/07	N/A
8	4/8/09	8/7/2010	129,359	W36	1/07	N/A
10	4/8/09	8/14/2010	136,335	W36	4/07	N/A
12	5/10/09	9/11/2010	164,780	W36	6/07	N/A
14	5/10/09	9/11/2010	162,749	W36	7/07	N/A
14B	N/A		70,652	W36	8/07	N/A

#### Layer Site 2 – Croton 4th Quarter 2012

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
15	4/16/05		0			N/A
17	6/18/05		0			N/A
19	1/15/05		0			N/A
21	9/18/04		0			N/A
23	2/12/05		0			N/A
25	3/12/05		0			N/A
27	8/20/05		0			N/A
27A	8/20/05		0			N/A
16	8/20/05		0			N/A
18	6/18/05		0			N/A
20	8/20/05		0			N/A
22	3/5/05		0			N/A
24	8/20/05		0			N/A
26	6/11/05		0		· · · · · · · · · · · · · · · · · · ·	N/A
28	8/20/05		0			N/A
28B	8/20/05		0			N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

#### Layer Site 3 – Croton 4th Quarter 2012

#### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i) (j) (k))

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
29	9/3/05	9/20/12	120,973	W36		N/A
31	10/16/04	9/15/12	150,040	W36		N/A
33	9/3/05					N/A
35	9/17/05					N/A
37	9/24/05					N/A
39	9/10/05					N/A
41	11/20/04				·	N/A
41A	10/1/05	9/26/12	83,643	W36		N/A
30	9/10/05					N/A
32	10/1/05					N/A
34	9/24/05					N/A
36	12/4/05					N/A
38	9/10/05					N/A
40	10/9/04					N/A
42	10/1/05					N/A
42B	10/1/05	9/29/12	83,667	W36		N/A

#### Layer Site 4 – Croton 4th Quarter 2012

Consent Decree 3:03 CV 7681 Update

Barn	Closure Date To convert to B/B (Control Actions)	Reopening Date For Remodeled B/B (Control Actions)	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs Implementation
43	9/2000	8/11/01		W36	11/09	N/A
45	9/2000	8/18/01	125,421	W36	11/09	N/A
47	9/2000	8/25/01	128,843	W36	10/08	N/A
49	9/2000	9/8/01	129,595	W36	11/09	N/A
51	9/2000	9/15/01	132,473	W36	11/08	N/A
53	9/2000	10/6/01	98,135	W36	1/09	N/A
55	2/4/06	4/24/10	119,889	W36	11/09	N/A
55A	N/A		80,975	W36	3/08	N/A
44	9/2000	12/3/05	142,307	W36	9/07	N/A
46	1/10/04	12/17/05	141,263	W36	9/07	N/A
48	2/14/04	12/17/05		W36	9/07	N/A
50	8/4/04	1/12/06	139,928	W36	10/07	N/A
52	2/22/04	4/06	162,365	W36	11/07	N/A
54	9/2000	5/06	156,865	W36	12/07	N/A
56	9/2000	5/06	149,225	W36	1/08	N/A
56B	N/A		82,991	W36	2/08	N/A

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP Implementation

<sup>\*\*</sup> ESCS power supply being modified

#### Layer Site 5 – Mt. Victory 4th Quarter 2012

### Consent Decree 3:03 CV 7681 Update

\* (Attachment A-III Reporting Obligations 32 (a) (b) (i)(j) (k))

Barn	Population	Breed W98/W36	PM Control (ESCS) Installation	Ammonia Control BMPs
1	127.000	11/2/		Implementation 10/00
11	137,800	W36	7/08	10/08
2	111,405	W36	8/08	10/08
. 3	124,815	W36	8/08	10/08
4	116,695	W36	9/08	10/08
5	119,959	W36	9/08	10/08
6	119,053	W36	10/08	10/08
7	143,926	W36	1/09	10/08
9	123,540	W36	11/08	10/08
10		W36	1/09	10/08
11	134,783	W36	12/08	10/08
12	126,591	W36	1/09	10/08
13	119,528	W36	1/09	10/08
14	109,077	W36	1/09	10/08
15	104,495	W36	2/09	10/08

### Layer Site 6 – Marseilles 4th Quarter 2012

Consent Decree 3:03 CV 7681 Update

Barn	Population	Breed W98/W36	PM Control (ESCS Installation)	Ammonia Control BMPs Implementation
1	126,401	W36	4/07	10/08
2	144,306	W36	6/07	10/08
3	109,606	W36	7/07	10/08
4	91,079	W36	8/07	10/08
5	124,555	W36	9/07	10/08
6	127,508	W36	10/07	10/08
7	132,991	W36	11/07	10/08
8	128,319	W36	12/08	10/08
9	117,359	W36	1/08	10/08
10	140,075	W36	2/08	10/08
11	136,642	W36	3/08	10/08
12	143,180	W36	4/08	10/08
13	141,890	W36	5/08	10/08
14	119,588	W36	6/08	10/08
15	143,556	W36	6/08	10/08
16	128,788	W36	7/08	10/08

<sup>\* (</sup>j) and (k) modified to reflect ESCS installation and BMP implementation